Scope

W6NWG

Palomar Amateur Radio Club Inc.

POST OFFICE BOX 1603, VISTA, CALIFORNIA 92083-0530

Since 1936

W6NWG / R 146.730 (−), 449.425 (−), 145.050 (Pkt). KA6UAI / R 147.135 (+). WD6HFR / R 224.900 (−)

VOL. XXIV, NO., 9 SEPTEMBER, 1989

PRESIDENT:	Stan Rohrer, W9FQN, Valley Center	749-0276
VICE PRES:	Mac McCarthy, NH6EW, Oceanside	945-7391
SECRETARY:	Nash Williams, W6HCD, Bonsall	728-3574
TREA$URER:	Ron Wifhefm¥, WI6B, Ranĉho $anta fe	756-3133
EDITOR:	Ralph Crossman, K6HAV, Vista	727-5866

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MEETINGS are held on the first Wednesday of the month at 7:30 p.m. in the CAFETERIA at Lincoln Middle School between East Vista Way and Eucalyptus on Escondido Ave. in Vista. Parking is available in the main lot accessible from East Vista Way; and in the City Hall parking lot across Escondido from the School. Talk in on 146.730. Visitors are welcome. MEETINGS ARE NOT A FUNCTION OF THE VISTA UNIFIED SCHOOL DISTRICT AND ARE NOT SANCTIONED BY THE SCHOOL DISTRICT BOARD OF TRUSTEES. Tol' yez a hunnert times.

CLUB MEMBERSHIP is $12 per year with **no** initiation fee, and includes a subscription to SCOPE. Family memberships are $12 for the first family member, and $9.00 for each subsequent member at the same address. See application on last page. Membership/subscription matters, changes of address, P.O. Box 1603, Vista, CA 92083-0530. Material for Scope to PO Box 73, Vista 92083 by Wednesday, two weeks before the club meeting.

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SEPTEMBER MEETING

The program for the September meeting will be presented by Kerry Banke, N6IZW, who will tell us about what's going on in the microwave field today.

Show & Tell: Whatever you bring. There will be a **FOR SALE** table for anyone who wants to bring one item for sale. The item must be tagged with name, call, and minimum price (if any). Ten percent of the sale price will go to the Club.

Coffee by NH6EW, and tasties by those good folks who remember.

"WE WANT A NO-CODE LICENSE" SEZ ARRL

The ARRL Board of Directors, at its 21,22 July meeting, voted nine to six to recommend to the FCC that a codeless license be established in the Amateur Radio Service.

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HAM STAMP PINS

The Club has for sale ($5 a shot) some of the attractive amateur radio postage stamp replica pins. See Ron, WI6B or Stan, W9FQN.

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MEMBER INFORMATION

GNU CLUB MEMBERS: Duane Wheeler, N6DSC, Escondido, (25 mos.); Craig & Susan Williams, N6OAM & N6OAO; Charles & Charlotte Weber, N5HTC & N5NLV, La Jolla; Roy Martin, KC6BWS, Fallbrook; Pete Ziegler, W3ARU, Carlsbad; Jim Cooper, NE6O, Vista; Oscar Younglund, W7NVX, Escondido; Clover Jacobs, KC6ADV, San Juan Capistrano. Welcome.

RENUDE: (40) Bill Williams, WA0ABX; Guy Rowlett, KB6AI; George Swenson, KB6AQS; Gary Grant, N7AS; Carmen Sinatra, N6BBB; Robert Dean, WD6BNX; Lanny Goodman, N6CEK; Judy Ross, KB6DEM; Claude Kirkpatrick, W6DWE; Chuck Inskeep Jr., K6ERW; Al Goeppinger, W6FXL; Al & Mickey Fahnestock, N6GNB & N6GWJ; Ed Ross, N6GZI; Steve Sellers, N5GZP; Tom Brown, N6ICH; Joe Contogenis, NU6L; Betsy Ross, KB6MBL; Mike Fisher, N6MMP; Rusty Massie, AA6OM (3 yrs); Ken Seals, KA5Q; Jeremy Simmons, N6QBI; Susan Rohrer, N6QDB; Duane Stedman, WB6R; Jack Simmons, KI6RF; Pat Stedman, N6RHS; Glen Crossman, N6RKE; Dan Parnell, N6RKP; Mark Trapolino, N6QVA; Bob Rice, KS6S; Linda Sellers, KB6SAE; Ron Kizer, N6SKM; Bob Gates, WB6TBA; Bill Taylor, K6TQ; Mitch Kwietniewski, K6UL; Terri Ashley, N6UZH; Alice Contogenis, KB6VFZ; John Knight, WR7W; Sandy Williams, WB0WGU; Henry Kirschner, WB0YCQ.

UPGRADED LICENSES AND GNU CALL-SIGNS: Richard Currier, AA6PN from N6RKG, to Amateur Extra; Karl Brandt, KC6FEF first license, to Technician; Dick Felker, KJ6SN from KB6RYQ; Clover Jacobs, KC6ADV, to Technician. Congratulations to all.

WHEN YOU HAVE A CHANGE, PLEASE LET US KNOW.

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THE CLUB'S POLICY REGARDING INTERFERENCE ON THE REPEATERS IS to IGNORE IT! Don't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. Try to hear the interfering signal on the input of the repeater and determine the direction of the source.

CELLULAR PHONE TRIPS SMOKE ALARM ON AIRPLANE

According to the AP, a cellular phone in luggage aboard a plai tripped the aircraft's smoke alarm, causing an unscheduled landing in response thereto. The phone was found in the "on" condition and it was ascertained that a call had been received by the phone, causing the problem. Editor's note: Today cellular phones, tomorrow packet radio? Better be sure your portable packet gear/amateur radio is off.

EXECUTIVE COMMITTEE

The Executive Committee, consisting of club officers and Chairmen of its committees, meets at 7:30 p.m. on the second Thursday after the club meeting. The September meeting will be at the home of KB6NMK.

At the August meeting at the home of W9FQN, the Committee heard and approved the Trea$urer's report. The Committee discussed work to be done at the repeater site including a cleanup job requiring severa pickup trucks to haul material fr the site. The failure of TASMA and SANDRA officials to respond to calls regarding the problems SANDRA believes are caused by the 147.135 machine are being documented. The publication of the club roster was discussed. KB6NMK has finished editing it. WB6IQS reported the 146.730 backup repeater is nearing completion. Problems encountered during the Palomar fire were discussed and the possibility of transportable remote base station use was considered. N6UIA indicated .9 gHz frequencies were requested of SCRRBA on 7/23/89. He estimated we may have an autopatch in operation by November. This is, of course, dependent on the assignment of 900 mHz frequencies by SCRRBA. (Our frequency request was received but action will be delayed while data base managers are changed - according to a post card received by N6UIA, since the Executive Committ meeting.)

>>>>>>>--- P R E S I D E N T ' S M E S S A G E ---<<<<<<<

###---T-HUNTING(EARS)---###

The Escondido Amateur Radio Society (EARS) holds a T-hunt the 3rd Saturday of each month in Escondido at 9:30 pm and all amateurs are invited to participate. All amateurs should experience T-hunting from time to time since we need to have the capability to locate "lost" or interfering transmissions. Yours truly, W9FQN, will be the Fox on September 16th for the Escondido Amateur Radio Society (EARS) T-hunt put on especially for the Palomar Amateur Radio Club. It will be a two stage hunt with the first fox running 10-20 watts and the 2nd stage fox running one watt or less. Hope to see many of you there for the hunt.

###---EQUIPMENT TAG ORDER---###

As a service to club members we will be selling clear plastic equipment stick-on tags which you can put on your radio gear such as shown at the last club meeting. We will get the tags at a reduced price. You can have 3-4 lines such as the tag that Barbara and I have:

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+-----------------------+
!    W9FQN / KA6FPS     !
! 30311 Circle R Lane   !
! Valley Center,  CA    !
!     92082-9423        !
+-----------------------+
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We will be selling these tags $9/100 and the lettering will be white on clear plastic. We will let you have additional 100's at $8/100. Make the check out to PARC and give it to me at the next meeting.

These tags have adheared to my ICOM 2AT for several months which I carry on my belt most of the time but one did come off of my check book after sitting on it 4-5 times. I did not put my name on the labels since I thought that if stolen that the "bandito" might not remove the label thinking that it was an equipment label. There will be examples of these at the September meeting.

###---F I E L D D A Y---###

THANKS to Bud-KG6VX for his taking care of the administration of Field Day and the sending in of the ARRL reports. I am sure that Dennis-N6KI was thankful for your efforts in obtaining a 20M SSB operating van for them so that he did not have to use the TACO WAGON again this year. Dennis, we hope to have the taco wagon completed for next FD!

Another Field Day GONE! Our unofficial contact points are as follows:

Phone contacts				CW contacts			
80M	117	x1=	117	80M	28	x2=	56
40M	136	x1=	136	40M	224	x2=	448
20M	1356	x1=	1356	20M	391	x2=	782
17M	5	x1=	5	17M	2	x2=	4
15M	107	x1=	107	15M	270	x2=	540
10M	179	x1=	179	10M	1	x2=	2
2M	64	x1=	64	2M	0	x2=	0
450	1	x1=	1	450M	0	x2=	0
Packet					20	x2=	40
Tot=	1965	x1=	1965	Tot=	936	x2=	1872
TOT CONTACTS=			2901	TOT POINTS=			7674

This score does not take into account the bonus points earned.

20 METER SSB STATION: Dennis-N6KI and his crew really pulled out the stops this year and set a club record for 20M SSB contacts: 1356. This is 150 contacts above our previous record in 1987 and only our second time to exceed 1000 contacts. Dennis has suggested that the club participate in the Sweepstakes competion for FD practice and that we hold a Field Day seminar several weeks ahead of FD for all operators where we work on the "do and don'ts" of FD contacts. They both sound like good ideas. Dennis' crew consisted of himself, Phil-WF6L, Larry-WQ6V and Stan-W9FQN operating and Don-WD6FWE logging with other operators logging for relaxation. Ellen-N6UWW sat in the hot seat for the 1,000th contact and for a first time FD operator really hung in there quite well. We hope that Ellen will get her next higher class license soon. The W6NWG signal on 20 SSB was so good that during my two hours of operation I did not change frequency once and I know that was the way it was with the other operators.

ALL BAND CW STATION: Duane-WB6R's CW station operators sure did a wonderful job on CW this year. Art-K6XT worked all bands (CW) with the aid of a computer which sent out the "canned" information which left Art with nothing to do but copy in his head the calls and section information. Most of the canned messages (ie. CW FD DE W6NWG) while I was in the trailer were going out at 25-30 wpm and many replies were coming in at 30-40 wpm which Art had no trouble copying.

Art's brother, Bill-NODSM, was the climber of the 50' tower system and installed a 40M dipole, tri-band beam, and two beams for the WARC bands. Their efforts and planning resulted in the greatest CW score we have every had: 900 QSO's. The best CW score before was last year with Paul-KB5MU and Wayne-N6KR who netted 600 QSO's. Wayne also again helped out during the evening hours and mastered the computer setup quickly. We also enjoyed seeing Wayne's minature 20M receiver and 80-10M receiver which could both fit into a matchbox. Hope he brings them to a meeting sometime.

80/10 METER SSB STATION: PJ-N6UCJ and Jack-KI6JM pulled most of the duty. You need a big signal on 80 meters and possibly we can use phased dipoles to pick up another 3 db next year.

40/15 METER SSB STATION: Jo-KB6NMK and her YL station learned a lot on their first time. Jo covered her operation in last month's SCOPE. Phased dipoles on 40 SSB would have helped.

VHF/UHF STATION: Steve-N6UIA and his crew were on their first outing and scored as well or better than previous FD groups.

The following amateurs signed in at Field Day: AA6OM, KB6NMK, N6UZH, N6RHS, KB6NML, WB6R, NODSM, K6AXT, KI6JM, N6UCJ, KF6YZ, N6UIA, N6URW, WF6L, N6RVO, KH6TL, N6TEP, WQ6V, N6QDB, W9FQN, N6NZX, KB6NZA, W6TFB, KG6VX, KB6MPZ, N6PEA, N6PDZ, KC6COD, N6UZG, N6KI, N6AMD, N6PHS, KB6TJW, N6QJE, WB6IQS, N6PQQ, WQ6V, N6KR, N6UWW, WD6FWE, KB6YHZ, KB6YHY, and KA6FPS as taken from the club sign-in sheet at the site. Sign-in was worth another ticket for the August picnic drawing. It seems as though I saw some others at FD but they neglected to sign the sheets at the FD site entrance.

Since the Field Day site has been next door to where I live the past six years, I have been able to closely observe set-up and take-down. This year the club set up the greatest amount of antennas with the greatest of ease and the site was cleaned up within two hours without hurrying. As the club moves along with its emergency antenna projects (trailers) I am sure that Field Day will become a breeze. Our objective is to have all antenna systems "canned" in five gallon cans ready for erection, beams (10,15,20, etc) strapped together, towers rotatable and crank-up, and push-up masts with cement tire supports stored and ready to move.

We need for FD a bunch of pipes 1.5-2" in diameter and 18' long for making some more cemented tire supports. Please contact W9FQN.

Wait till next year!

###——POTPOURRI——###

I will have rope at the Sept. meeting.

The Space Shuttle can be found on 145.46, 224.04, and 449.0. NASA rebroadcasts on 169.4MHz. Hear the shuttle direct on 259.7 MHz AM when it comes into Edwards AFB. Also SANDRA's 145.625 will often carry some of the Space Shuttle audio.

Susan-N6QDB after successfully finishing seven weeks of Naval Academy Plebe Summer (boot camp) decided instead to attend college here in W6NWG/R land.

The Southern California DX Packet Cluster has again moved its frequency. It is now on 145.68 Mhz although San Diego seems to be on 144.360 Mhz with a link to the L.A. area on 441.500 Mhz. For those of you who are on packet you might want to check out these frequencies to see what the DX group is up to in this facet of packet.

###——THANKS——###

THANKS to Dennis-N6KI for his continued help in taking club equipment to the swap meets.

THANKS to Jo-KB6NMK for her tremendous effort in organizing the new membership cards, doing the SCOPE ADS, and taking care of the club shirt orders.

THANKS to Bill-N6COU for all of the additional work that he has done in getting the new roster and membership lists up to date in the giant computer.

THANKS to George-N6RTD for being an excellent "computer consultant" to the club.

THANKS to Ralph-K6HAV for his devotion in putting out the SCOPE each month, his picking up all club mail from the Vista post office, and seeing that the VE program conducted by the club functions properly.

THANKS to everyone who has donated items to the club. I have noted that several have "donated and run" so we can't thank you. Then there are those items which I get 2nd and 3rd hand with the donors' names getting lost in the process. THANKS.

73 de Stan W 9 F Q N

FRED YOUNG, W6UAP, SK
We are saddened to report the passing of Fred Young, W6UAP, on July 1. Fred was a PARC member since moving to the area in 1981.

ANNUAL PICNIC

The Club's annual picnic on Sunday, August 20, at Dixon Lake in Escondido was a rousing success. The weather was perfect - sunny but cool, the picnic was well attended, the food was deelicious, but the prize drawing was probably rigged since I didn't win any of the three big ones. The winners of the HRO gift certificates were Al Thiele, W7HGS, $200; Anita Nye, KB6YHY, $125; and Lloyd Hunt, W6TFB, $75. HRO-donated books were won by WB6ZJD, WD6FWE, K6HAV, W6SAX, WB6R, KB6NMK, N6QVW, and KI6JM. A dandy time was had by all.

LATEST CALL SIGNS

The last Amateur calls issued in the 6th call area as of 08/1/89 were: A6PT, KJ6YA, N6VYC, KC6FBI.

AMECO PREAMP BOOK

Lee Miller, W6TDC, found the book for the Ameco preamp purchased from the FORESAIL table at the last club meeting. The purchaser of the preamp can get the book from W9FQN.

VE PROGRAM

At the August tests our PARC VE team gave a whopping 30 test elements to 19 applicants, 12 of whom passed a total of 18 elements. Congratulations to Karl Brandt, KC6FEF, who up-graded to Technician, passed Element 3B, and got his first license all on the same day; and to Clover Jacobs, KC6ADV, who up-graded to Technician and joined the Club to Celebrate. Her OM, Malen, passed his Novice tests at the same exam session

Our test crew was: KI6JM reception/processing; WB6R CW exams; W6TFB, KS6S, and WR7W examiners; and paperwork by WI6B, AA6OM, and K6HAV.
de K6HAV

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FCC LICENSE EXAMINATIONS in north county are conducted by PARC examiners, under the auspices of SANDARC-VEC at the Joslyn Senior Center, (behind City Hall) 111 Richmar Ave., San Marcos on the second Saturday of the month at 10:00 a.m.

Examinations are also given on the 1st Saturday in El Cajon, the 3rd in Normal Heights, the 4th in Chula Vista, and by EARS on the last Saturday in Escondido at Coast S&L, 1540 E. Valley Parkway . Applicants must send a SASE, a completed, signed FCC Form 610 (NO PHOTOCOPIES) and copies of license(s) and Certificate(s) of Successful Completion, if any, to SANDARC-VEC, Post Office Box 2456, La Mesa, CA 92044 10 days before the test date. Bring ORIGINAL licenses and Certificates.

WANTED

Antenna tuner capable of tuning end-fed wire. Call Nash, W6HCD, 728-3574.

Schematic or manual for Eico 460 o'scope. Call Marsh, W6SAX, 272-1409.

ICom IC-25A, Kenwood TR7800, or similar 2M synthesized radio. Call Jerry, WB6FMT, 758-4388.

Liaison and Net Control Stations for the North County Traffic Net. Call Todd, KI6ZM, 439-8227.

CP\M software to run RTTY, packet, or CW on an old (1983 Kaypro IIX. Call P.J., N6UCJ, 941-9162.

1950-60 era RCA 45 rpm (only) record player/changer w/ or w/o own spkr, amp., or basket case. Call Mick, W6FGE, 222-3912.

Working Icom IC-22A, Kenwood PC-1A. Dennis, N6KI, 271-6079.

JACK FORBES, W6QP, SK
We are sorrowed to report the passing of another old-time PARC member and past president, Jack Forbes, W6QP, in late July. Jack owned and operated Vista Carpet Cleaners for years before suffering a stroke which put him into a rest home. 73, Jack.

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SURPLUS?

DONATE IT TO THE CLUB if you can't sell it or aren't up to hauling it to the flea markets. The Club will sell it and put the money in the Equipment Fund to buy that new repeater, antenna, or feedline. Contact any club officer.

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AUGUST MEETING

At the August club meeting, the minutes of the previous meeting and the Trea$urer's report were read and approved.

64 of us attended and had a great time.

The FOR SALE table was again in operation and did quite well for the Club and the sellers.

The tasties were courtesy of all who remembered and brought them.

JOIN THE ARRL

You support your hobby by belonging to the Palomar ARC. Additionally, the American Radio Relay League is the national Amateur Radio entity to which you should belong for the sake of your hobby. If you're not an ARRL member you should be! Who else lobbies for your hobby?

When joining/rejoining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to Trea$urer Ron, WI6B. If your new ARRL membership application includes the PARC number (1703), the Club will get $5 from your membership - it won't cost a fat farthing more!

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PARC REPEATERS

Three repeaters, two W6NWG/R, are owned and operated by the Club. One has an input of 146.130 mHz and an output of 146.730 mHz. Input for another is 444.425 mHz and output is 449.425 mHz. The third, W6NWG, is a packet digipeater on 145.050 mHz. All are on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

CO-LOCATED WITH W6NWG/R is KA6UAI/R on 147.135 (+) which too is available to PARC members during its trial period in the PARC building. Its use as a W6NWG/R overflow machine is encouraged. It will have battery backup - soon.

THE 220 CLUB OF SAN DIEGO WELCOMES PARC MEMBERS ON WD6HFR/R, ITS 224.900 MHZ REPEATER, which is co-located with W6NWG/R and has battery back up. Feel free to use it. If you find it useful, it would be nice to join the 220 Club and support it.

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FREE, YOU HAUL IT!

Model 28 Teletype and RTTY TU. Call Art, W6EVL, 728-1717.

EARS T-HUNTS

The Escondido ARS (EARS) sponsors a T-hunt on the 3rd Saturday of the month at 0930. Assembly point talk-in at 0900 on 146.88 (-). Hunt frequency is 146.565. Hidden tx is within 10 miles of start. All are welcome. New folks may ride along.

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FLEA MARKETS

The El Cajon ARC ham, computer, electronics swap meet at the Santee Drive-in theater, Woodside Ave at Hwy 67 in Santee at 0700 on the first Saturday of the month.

The General Dynamics ARC swap meet on the 2nd Saturday in Cucamonga in the Gen. Dyn. parking lot east of Haven on Fourth Ave, at 0700.

The TRW ARC flea mart at the corner of Compton and Aviation Blvd. in Manhattan Beach on the last Saturday of the month at 0700.

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OFFICIAL CLUB BADGES are available from John Tentor, W6OLQ, who is very finicky and requires, not only money but, that you let him in on your name and call sign so he can put them on your very own badge - like the big guys have.

John has badges for: KC6AST, KH6CN, N7EQU, WB6NVX, WA6QCG, WB6RWF. If you don't want to pay full tab for your own badge, John can make you a real deal on a unclaimed one.

FORESAIL

If you have an item for sale, bring it to the club meeting and put it on the Sale Table tagged with your name, call and minimum price if any. The Club takes 10% of the sale price and you go home with $$ and you'll have to buy something else to hold down the shelf or garage floor.

Complete HF/VHF packet, RTTY, AMTOR, CW station (you add the rigs): Commodore 64, 1541 disk drive, mono monitor, printer, AEA PK-64A/HFM, $300. Kenwood R-1000 gen.coverage rx, $225; remote VFO for Kenwood TS-520, $50; regulated pwr supply 12VDC @ 8A cont., $25; floppy disk recorder FSD for C-64, $50; Cobra reg. pwr supply 12VDC @ 2A, $10; antenna mount for top of truck cab w/3 bases and coax installed - will take a Hustler & two VHF/UHF antennae, $25. Call Bill, W6WPO, 727-4279.

Estate sale: Drake R-4A rx w/manual, $70; Drake MS-4 spkr, $15; Drake T-4X tx, $70; Shure 444 mike, $20; Turner Hi-Z 254C mike $15; Mastercrafters 24-hr clock, $7.50; 30; Hustler 4BTV vert. ant., $35; Hustler mobile resonators 10-20M, $2.50 ea.; Allied GDO, $20; RPC-3C speech compressor, $20; two 110VAC six-outlet strips, $3.50 ea. Call Leo, N6TUR, 941-6756 after 9/5/89.

Gas pipe 22' long 2 3/8" dia., 18" wall. Call Nash, W6HCD, 728-3574.

Professional qual. OptiVISOR w/4X & 7X lens plates plus OptiLoupe, $30. Call Jerry, W6YLA, 758-1134.

Tri-Ex W51 51' heavy duty, free-standing, crank-up tower w/Ham-M rotor (rotor control lost in divorce, but I got the manual), and Mosely TA-33 beam w/40M kit installed, $750; Swan 350 hf xcvr w/117XC pwr supply and 14-X for 12VDC opn, mike, works perfectly, $250. Call Larry, W6QCA, 587-2226 work, 582-4324, home.

C-64 W/color mon., 1541 DD, & AEA Pakratt PK-64 TNC; much software & all manuals. Add a 2M rig, for a complete packet station. IBM PC DOS 3.0, $7.50; Word Star 3.3, $40, both with orig. disks and documentation. Call Ralph, K6HAV, 727-5866.

Bearcat 160 5-band, 16-channel programmable scanner, $65 incl. UPS. Go RTTY, CW. Vic 20, w/mon., Datasette, Hamsoft, cassette programs, MFJ 1228 interface, manuals Call Mick, W6FGE, 222-3912.

Assorted tubes (Never seen one? They're like big, glowing transistors) all test good, $1 ea. Call Dennis, N6KI, 271-6079.

Vacuum tubes, all tested; Probemaster X10 attenuator kits, $15. Call Sandy, K6HE, 745-6940.

Unique wire tuner $50; Call Krist, W6KTE, 941-3555.

REPEATERS

REPEATER WORK DONE AND IN PROGRESS: KA6HZF cut an access panel in the lower part of the generator shed access cover and then welded hinges and hasps in place along with a reinforcing structure of steel braces.

On July 30 on the mountain, W9FQN cleaned old paint and corrosion from the metal and primed the generator shed. The door was then mounted and fitted. The shed now has lockable upper and lower doors, but still needs painting to match the repeater building.

WB6IQS and KI6RF ran tests on the W6NWG digipeater and determined there was no problem with the digipeater. Deviation and frequencies were checked on KA6UAI/R and all W6NWG repeaters. The 450 mHz repeater has a bad HV bypass capacitor in the screen supply of the PA. The complete PA assembly was removed and repair parts are on order. That repeater is currently operating on the exciter only and has about five watts output vs. the normal 30.

Using a low power signal, the new 1988 model DB-264 antenna was tested for noisy connections and was found to generate noise when one of the elements was tapped. The feedline is also suspect as it required 8 dB more signal to key up the repeater with the new antenna than with the original 1973 DB-264. The 146.730 machine was put back on the old antenna. Another trip is planned to lower the new antenna and verify the

hardline fittings.

FUTURE WORK: The batteries will go into the generator shed as soon as it's painted. Battery backup will be added for KA6UAI/R and possibly put in new batteries for the 220 Club. One of the spare hardlines has an "open" and needs repair. The present "aerial" hardlines need to come down and go into underground pipes similar to the existing conduit.

TONE ENCODER: A year or two ago, we reported the hum on the 146.730 machine being heard by folks with hi-fi speakers is a 3A (127.3 Hz) tone encoder. If you receive one of the other repeaters on 146.730 nearly as well as you do W6NWG/R, this tone, coupled with a de-coder in your rig will eliminate the interfering station. Most of the new mobile and base rigs have the provision for adding a tone decoder and for storing the tones in memory with the frequencies and offsets. This does not mean that it takes a sub-audible tone to access our repeater. It means a 127.3 Hz tone is needed for another station to access your receiver on 146.730 when you have the encoder turned on. The tone is on the repeater's transmitted signal for your use if you want to. Remember - when your decoder is on, you won't hear anyone on 146.730 simplex unless they are using a 3A encoder on their rig.

PROSPECTIVE HAM?

Interested in amateur (ham) radio and in the Palomar Amateur Radio Club? Want to talk to someone about it? Contact:

Bonsall	Nash Williams	728-3574
Camp Pend.	PJ Mead	941-9162
Cardiff	Duane Stedman	753-4821
Carlsbad	Eleanore Call	729-0850
Chula Vista	Betty Mahoney	420-2277
Del Mar	George Uminski	755-1014
Escondido	Jo Ashley	741-2560
Encinitas	Dave Copely	753-2605
Fallbrook	Art Rideout	728-6834
Lakeside	Mac McBride	561-2211
Leucadia	Bud Lincoln	436-9983
Oceanside	George Todd	439-8227
Poway	Mark Schlessinger	748-8391
Ramona	Mike Fisher	789-2892
Ran. Sta. Fe	Ron Wilhelmy	756-3133
San Diego	Dennis Vernacchia	271-607
San Diego	John Tentor	672-3891
San Marcos	Floyd Harvey	741-8391
Solana Beach	Lou Broadbent	755-9179
Valley Center	Stan Rohrer	749-0276
Vista	Ralph Crossman	727-5866

DOWN THE TOOBE

Interesting to see a nice, long segment on the Channel 8 evening news on July 26th on club member Larry de Montegre, WQ6V. It showed Larry and his sideline of making jewelry from coins. It was quite long and very well done. Din't hear any mention of ham radio though, Larry.

Alma Bourhenne, KE6HI, and Nash Williams, W6HCD, are mentioned in the August-September issue of Modern Maturity. The article mentions them in connection with their involvement with the Flying Samaritans and their good works in the medical field in Mexico. Alma is pictured.

Thanks to Bill Priest, W6WPO fc letting the Club sell some of hi equipment and take 10% of the proceeds. Thanks also for the donation to the Club of other equipment. This helps the Club and the donor - execpt now he'll have to find something else to hold down his garage floor. Maybe Stan, W9FQN, can give him a hand in that regard.

We also greatly appreciate all of the work Dennis, N6KI, does in taking donated equipment, checking it out and getting it in shape to bring the best price and then selling it for the Club and for its donors. He's really doing a fine job. We also much appreciate the work Paul, KZ6X, does for the Club.

Sorry we left the "g" out of Ed Castagna, WA6ESG's, name last month. Better luck next time, Ed. Counteracting, was an extra letter in Rusty Massie's old call. We made up for that, by getting Rusty's new call, AA6OM, correct - mostly.

"That's all," she wrote.

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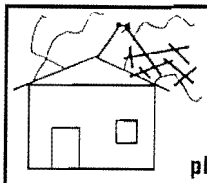

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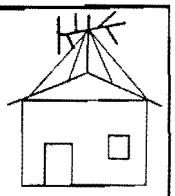

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HAM RADIO OUTLET

PALOMAR AMATEUR RADIO CLUB, INC. Members By Call 07-31-1989

WA0ABX	WILLIAMS, BILL	741-9901	1914 HOWE PL.	ESCONDIDO, CA.	92025
N0CPS	PASCHKE, VERN	484-7581	9209 SAMANTHA CT.	SAN DIEGO, CA.	92129
WD0DLW	HONTS, C.N. "JACK"	728-0258	244 N. STAGE COACH LN.	FALLBROOK, CA	92028
N0EVV	PASCHKE, MARY	484-7581	9209 SAMANTHA CT.	SAN DIEGO, CA.	92129
WB0WGU	WILLIAMS, SANDY	741-9901	1914 HOWE PL.	ESCONDIDO, CA.	92025
WB0YCQ	KIRSCHNER, HENRY	722-5394	266 CARISSA DR.	OCEANSIDE, CA.	92056
WA1ZEN	AMES, TIM	469 8519	2990-D FLETCHER PKWY	EL CAJON, CA.	92020
W2AUO	SHAUT, STANLEY	485-9509	12850 CAMINO D LA BRECCIA	SAN DIEGO, CA.	92128
W3ARU	ZIEGLER, PETE	943-8005	3482 SITIO BORDE	CARLSBAD, CA	92009
W3CRU	COHEN, CHARLES A.	632-7790	1325 SANTA FE DR.	ENCINITAS, CA.	92024
KD3HN	HOFFMAN, MIKE		133 WASHINGTON AVE.	BETHLEHEM, PA.	18018
K3PXX	RUNYON, TERRY	726-0595	108 HANNALEI DR.	VISTA, CA.	92083
K4ACM	LUTZ, EDWARD	487-2451	P O BOX 270744	SAN DIEGO, CA.	92128
KE4EY	FLEISCHMANN, WM. (BILL)	756-2790	P O BOX 3908	RANCHO SANTA FE, CA	92067
W4NYU	GATES, HOWARD	449-9841	10911 EDDINGTON RD.	SANTEE, CA.	92071
W4OYN	O'HARA, JIM	281-1311	3672 ROSELAWN AVE.	SAN DIEGO, CA.	92105
WB4YQU	ORAN, SAMUEL	726 2003	2361 VIA SUBRIA	VISTA, CA.	92084
WD5BRT	BROOM JR., HERMAN W.	430-0626	229 LOS PADRES DR.	CAMP PENDLETON, CA.	92055
N5GZP	SELLERS, STEVE	433-3648	4232 FIESTA WAY #8	OCEANSIDE, CA.	92056
N5HTC	WEBER, JR, CHARLES E.	459-5105	5838 SOLEDAD RD.	LA JOLLA, CA	92037
KB5MU	WILLIAMSON, PAUL T.	458-1238	6583 EDMONTON AVE.	SAN DIEGO, CA.	92122
N5NLV	WEBER, CHARLOTTE	459-5105	5838 SOLEDAD RD.	LA JOLLA, CA	92037
KA5Q	SEALS, KEN	944-7373	1521 JUNIPERHILL DR.	ENCINITAS, CA	92024
WD6AHV	REMINGTON, TODD	724-4079	HQBN HQCO 2ND SSCT G2 1ST	CAMP PENDLETON, CA.	92055
WD6AHW	DEWEY, WM. H. (BILL)	728-6912	4878 SAN JACINTO CIRCLE	FALLBROOK, CA.	92028
WD6AHX	DEWEY, L. WAYNE	940-2074	1907 CHEYENNE CIR.	OCEANSIDE, CA.	92056
KB6AI	ROWLETT, GUY	757-1745	2813 TURNBULL ST.	OCEANSIDE, CA.	92054
WA6AIW	RICHARDS, DAVID L.	630-1734	1680 FOOTHILL DR.	VISTA, CA.	92084
N6AMD	HARLAND, RAY	746-4584	2602 MARY LANE	ESCONDIDO, CA.	92025
KB6AQS	SWENSON, GEORGE A.	569-0993	6460 CONVOY CT. #115	SAN DIEGO, CA.	92117
KC6AST	ARBUTHNOT III, G. LANE	484-2405	13125 BAVARIAN DR.	SAN DIEGO, CA	92129
N6AT	CASSEN, FRANKLIN	728-8003	3909 RECHE RD. SP-22	FALLBROOK, CA.	92028
K6AYJ	NICHOLS, EDITH	728-1717	1473 WINTERWARM DR.	FALLBROOK, CA.	92028
KC6AZY	VAN NEST, DAVID	436-1397	1715 HILL TOP LANE	ENCINITAS, CA.	92024
WI6B	WILHELMY, RON	756-3133	P.O. BOX 244B	RANCHO SANTA FE, CA.	92067
N6BAD	REBER, JOHN	453-4952	5968 TULANE ST.	SAN DIEGO, CA.	92122
N6BBB	SINATRA, CARMEN J.	743-5448	2700 E.VALLEY PKWY #85	ESCONDIDO, CA.	92027
WD6BEZ	GONSETT, JUDY	753-9133	518 NEPTUNE AVE.	ENCINITAS, CA.	92024
KC6BGX	LOUNSBURY, GEORGE P.	741-6681	1530 N. ELM ST.	ESCONDIDO, CA.	92026
KE6BH	COUNTRYMAN, BILL	757-2520	2806 MACDONALD ST.	OCEANSIDE, CA.	92054
WB6BHE	HARVEY, VANESSA	741-8391	1195-33 LA MOREE RD.	SAN MARCOS, CA.	92069
W6BHF	DOBLER, RAY	487-4423	17142 CLIQUOT CT.	POWAY, CA.	92064
W6BIH	TUPANCY, OSCAR	726-0459	1535 SUNRISE DR.	VISTA, CA	92084
KC6BIM	ANDERSON III, WM. J. (BILL)	487-5044	11311 CALENDA RD.	SAN DIEGO, CA	92127
KC6BJM	SANDFORD, GERRY M.	755-5244	2734 CAMINITO VERDUGO	DEL MAR, CA.	92014
W6BLL	WILLIAMS, JACK	729-5318	3820 MARGARET WY.	CARLSBAD, CA.	92008
W6BNO	SLUYTER, LEONARD J.	878-2165	P.O.BOX 475 (430 N. JACKS	INDEPENDENCE, CA.	93526
WD6BNX	DEAN, ROBERT K.	749-9468	13601 WOODSTOCK PL.	VALLEY CENTER, CA.	92082
K6BPT	SKINNER, MURIEL 'SKIP'	728-6904	1422 LOS AMIGOS	FALLBROOK, CA.	92028
W6BRF	MC CLUSKEY, PAUL		1718 BELLE MEADE RD.	ENCINITAS, CA	92024
WD6BRX	BROUILLET, PAUL	745-8070	3131 MARY LANE	ESCONDIDO, CA.	92025
WA6BSD	LANG, STEVEN		P.O. BOX 611B	OCEANSIDE, CA.	92056
KC6BWS	MARTIN, ROY E.	728-1546	2229 MARDAVIDO LN	FALLBROOK, CA	90028
N6CDA	DOUGLAS, MALCOLM	728-9059	533 HILLCREST LANE	FALLBROOK, CA.	92028
N6CEK	GOODMAN, LANNY	755-3428	P. O. BOX 2469	DEL MAR, CA.	92014
N6CKH	DEMOS, TED	296-5103	221B MISSION AVE.	SAN DIEGO, CA.	92116
N6CKQ	BROADBENT, LOUIS C.	755-9179	976 SANTA ESTELLA	SOLANA BEACH, CA.	92075
KH6CN	HARPER, JIM	483-164B	5142 PROVIDENCE RD.	SAN DIEGO, CA.	92117
KC6COD	MOSCOWITZ, MARK	944-0145	2301 LEVANTE ST.	CARLSBAD, CA	92009
N6COU	WHIPPLE, BILL	758-7163	1605 WAGON WHEEL DR.	OCEANSIDE, CA.	92056
WB6CSH	HAMANN, MICHAEL	481-0770	14169 HALF MOON BAY DR.	DEL MAR, CA.	92014
K6CV	BASTOW, JR., J. G.	484-7035	8733 ELFORD COURT	SAN DIEGO, CA.	92129
KI6CX	BOLLMAN, GEORGE	728-2755	1632 DOROTHEA AVE.	FALLBROOK, CA.	92028
KB6DEM	ROSS, JUDY	297-7758	1419 GOLDEN GATE DR.	SAN DIEGO, CA.	92116
KB6DGR	MAHONEY, BETTY	420-2277	121 ORANGE AVE. SP 84	CHULA VISTA, CA.	92011
AA6DI	ALBRECHTSEN, LOUELLA	941-0725	845 HAMPTON COURT	VISTA, CA.	92083
W6DNX	LANGJAHR, CARL	726-4010	4644 CORDOBA WY.	OCEANSIDE, CA.	92056
WA6DOC	SALZARULO, MARK	945-1367	5649 ROANE DR.	OCEANSIDE, CA.	92056
KC6DPM	WORKS, GEORGE A.	224-1814	P O BOX 6712	SAN DIEGO, CA	92106
KC6DPN	WORKS, ROBERTA F.	224-1814	P O BOX 6712	SAN DIEGO, CA	92106
N6DSC	WHEELER, DUANE W.	480-9506	P.O.BOX 1989	ESCONDIDO, CA	92025
KB6DSC	BRUIN, BETTY	277-7142	5573 MT. ACARA DR.	SAN DIEGO, CA.	92111
N6DUR	WAGNER, ROBERT G.	273-0789	3077 JUTLAND COURT	SAN DIEGO, CA.	92117
N6DVJ	HART, JOHNNY		3235 ARMSTRONG ST #A7	SAN DIEGO, CA	92111
W6DWE	KIRKPATRICK, CLAUDE L.	273-9735	1744 PACIFIC BEACH DR.	SAN DIEGO, CA.	92109

PALOMAR AMATEUR RADIO CLUB, INC. Members By Call 07-31-1989

WA6DYV	SWADER, JOHN B.		1455 S. ALTURAS SP# 118	FALLBROOK, CA.	92028
WW6E	BUCKNER, BILL	941-0867	993 S SANTA FE AV #C	VISTA, CA.	92083
KF6EA	SMITH, RICHARD A.	483-9330	2245 FELSPAR ST.	SAN DIEGO, CA.	92109
WA6EEZ	HEERSEMA, BILL		154 ARAGON AVE.	SAN CLEMENTE,CA	92672
KB6EPO	JOHNSON, ERIC	575-7065	VRC-30 W/L 020 NAS NO ISL	SAN DIEGO, CA.	92135
N6EQB	MILLER, RAYMOND	728-3179	4658 S. MISSION RD.	FALLBROOK, CA.	92028
K6ERW	INSKEEP, CHAS. G.	589-0636	2375 WHITE WING DR.	JAMUL, CA.	92035
WA6ESG	CASTAGNA, ED	726-5236	273 MAR VISTA DR.	VISTA, CA.	92083
W6ESV	SENTERFITT, ARNOLD		1404 FRANCISCAN WAY	SAN DIEGO, CA.	92116
W6EVL	NICHOLS, ART	728-1717	1473 WINTERWARM DR.	FALLBROOK, CA.	92028
NH6EW	MC CARTHY, MAC	945-7391	2729 THUNDER DR.	OCEANSIDE, CA.	92056
KF6EX	GOREWIT, HAL	438-7569	6952 WHITECAP DR.	CARLSBAD, CA.	92008
W6EYP	LINCOLN, WARREN	744-5097	1286 DISCOVERY ST SP88	SAN MARCOS, CA.	92069
W6FGE	MC DANIEL, MICK	222-3912	940 TEMPLE ST.	SAN DIEGO, CA.	92106
N6FMK	BOWEN, BILL	941-9492	484 VALERIE DR.	VISTA, CA.	92084
WB6FMT	HOUSER, JERRY	758-4388	1073 CYPRESS DR.	VISTA, CA.	92084
W6FN	KLIPPEL, KEN	434-2350	4420 LA PORTALADA DR.	CARLSBAD, CA.	92008
KA6FPS	ROHRER, BARBARA	749-0276	30311 CIRCLE R LANE	VALLEY CENTER, CA.	92082
W6FTV	FALLS, EDWARD L.	728-2729	3352 CANONITA DR.	FALLBROOK, CA.	92028
WD6FWE	JOHNSON, DON	758-4187	3140 LINCOLN ST.	CARLSBAD, CA.	92008
W6FXL	GOEPPINGER, ALBERT	745-4436	2161 SUNSET DR.	ESCONDIDO, CA.	92025
KD6FY	BELFIELD, SCOTT P.	487-7005	17083 ABRA WAY	SAN DIEGO, CA.	92128
W6GHD	CAREY, RICHARD	224-9300	4003 ORCHARD AVE.	SAN DIEGO, CA.	92107
KA6GHE	PATCHEL, JUDITH	272-5233	3634 JENNIFER ST.	SAN DIEGO, CA.	92117
KI6GI	HOY, TIM	469-2920	P.O. BOX 3734	LA MESA, CA.	92044
K6GJD	SALTER, BILL		1641 39TH DR.	SHOW LOW, AZ	85901
N6GJW	FOLSOM, RUSS	789-8348	P.O. BOX 1308	RAMONA, CA.	92065
KB6GKE	MORRIS, STEVE	931-6149	1226 SOUTH PACIFIC #4	OCEANSIDE, CA	92054
N6GNB	FAHNESTOCK, ALBERT	741-1840	1499 E. WILSON AVE.	ESCONDIDO, CA.	92027
N6GOS	BECK, DONALD R.	756-2726	P.O.BOX 2372	RANCHO SANTA FE, CA.	92067
K6GQS	ESTERLY JR., HAROLD D.	274-4811	4633 EL PENON WY.	SAN DIEGO, CA.	92117
KA6GRG	CALVERT, CHUCK	726-2612	1570 GOODWIN DR.	VISTA, CA.	92084
N6GW	WENZ, GORDON	222-5575	1055 BANGOR ST.	SAN DIEGO, CA.	92106
N6GWJ	FAHNESTOCK, MICKEY	741-1840	1499 E. WILSON AVE.	ESCONDIDO, CA.	92027
WB6GXR	MC BRIDE, WILLERT 'MAC'	561-2211	9493 EMERALD GROVE AVE.	LAKESIDE, CA.	92040
N6GZI	ROSS, ED	297-7758	1419 GOLDEN GATE DR.	SAN DIEGO, CA.	92116
K6HAV	CROSSMAN, RALPH	727-5866	P. O. BOX 73	VISTA, CA.	92083
W6HC	HODGSON, CHARLES	272-9778	P.O. BOX 178374	SAN DIEGO, CA.	92117
W6HCD	WILLIAMS, A. NASH	728-3574	32001 VIA ARARAT DR.	BONSALL, CA.	92003
K6HE	SANDBERG, SANDY	745-6940	1138 E. RUSTIC RD.	ESCONDIDO, CA.	92025
WB6HFE	RAMME, FRANK B.	757-9365	331 REDONDO DR.	OCEANSIDE, CA.	92056
WD6HFI	NORMINGTON, PHILLIPP B.	724-4736	1302 HERMANA CT.	VISTA, CA.	92084
KE6HI	BOURHENNE, ALMA	753-2542	2025 CAMBRIDGE AVE.	Cardiff by the sea, CA	92007
W6HLB	CRAIG SR., JOE	757-1272	412 S. BARNWELL ST.	OCEANSIDE, CA.	92054
WB6HMY	LA POINTE, JOE	722-6054	188 EVERGREEN PKWY.	OCEANSIDE, CA.	92054
WA6HQM	COPLEY, DAVE	753-2605	1727 GREENTREE RD.	ENCINITAS, CA.	92024
WB6HSZ	CAMPBELL, JOHN R.	724-1764	324 EAST DR.	VISTA, CA.	92083
W6HW	BAUMGARTNER, VERN		3700 OLDS RD. SP-86	OXNARD, CA.	93030
N6HWK	SMITH, N WHITNEY	223-3444	930 ARMADA TERR.	SAN DIEGO, CA.	92106
WA6HYB	PUGH, DANIEL C.	433-4445	4660-125 N. RIVER RD.	OCEANSIDE, CA.	92056
WA6HYC	WATT, BILL	439-8814	1733 S. DITMAR ST.	OCEANSIDE, CA.	92054
K6HZ	YACABUCCI, JAMES E.	223-3927	5015 SANTA CRUZ AVE #211	SAN DIEGO, CA.	92107
K6ICG	CARRY, EDWARD		5844 KENT PL.	SAN DIEGO, CA.	92120
N6ICH	BROWN, THOMAS F.	433-7600	4433 KITTIWAKE WAY	OCEANSIDE, CA.	92056
K6ICT	HARVEY, KEN	440-0644	328 ALDWYCH RD.	EL CAJON, CA.	92020
N6IE	FERRANTO, FELIX	277-8587	7280 TAIT ST.	SAN DIEGO, CA.	92111
K6II	HOLM, ED	726-4333	1851 ALTA VISTA DR.	VISTA, CA.	92084
WA6ILH	POTERALA JR., WM. E.		14831 ESPOLA RD	POWAY, CA	92064
W6INI	SMITH, ARTHUR R.	273-1120	4515 MELISA WAY	SAN DIEGO, CA.	92117
WA6INL	DAU JR., WALTER K.	487-5249	12886 CIRCULO DARDO	SAN DIEGO, CA	92128
N6INN	CROSSMAN, PAT	727-5866	P. O. BOX 73	VISTA, CA.	92083
WB6IOV	LOWELL, RUSSELL A.	436-6714	7507 QUINTA ST.	CARLSBAD, CA.	92009
WA6IPD	RIDEOUT, ART	728-6834	2235 GUM TREE LN.	FALLBROOK, CA.	92028
WA6IPF	STACK, PAUL J.		753 POMELO DR.	VISTA, CA.	92083
W6IPQ	CHASE, HERBERT	422 7405	152 WHITNEY ST.	CHULA VISTA, CA.	92010
WB6IQS	KUIVINEN, JOHN	724-8380	P.O.BOX 1466	VISTA, CA.	92083
W6IRM	INSKEEP, CHUCK	722-2201	631 S. CLEMENTINE	OCEANSIDE, CA.	92054
N6ISC	LACKEY, PAUL		155 S.LAS FLORES #76	SAN MARCOS, CA.	92069
W6IUG	WEST, RICHARD O.	566-7089	10711 CHARBONO TERR.	SAN DIEGO, CA.	92131
WA6IWK	PATCHEL, HERBERT	272-5233	3634 JENNIFER ST.	SAN DIEGO, CA.	92117
W6IZS	HICKMAN, RAY F.	466 4702	6818 ROLANDO KNOLLS DR.	LA MESA, CA.	92041
N6IZW	BANKE, KERRY	462-2220	6026 POPPY ST.	LA MESA, CA.	92041
NC6J	CHAMBERS, BOB	560-4560	2247 W. JEWETT ST.	SAN DIEGO, CA.	92111
KG6JA	BERG, PETER	729-8408	P.O. BOX 4207	CARLSBAD, CA.	92008
W6JJA	BIANCHI, GUIDO	353-0893	1020 W EVAN HEWES HWY #2B	EL CENTRO, CA.	92243

SEP 89

KI6JM	HANTHORN, JACK	598-0420	1211 HIDDEN OAKS TRAIL	VISTA, CA.	92084
W6JRQ	HUCKABAY, WALT	722-3248	1047 SHAFER ST.	OCEANSIDE, CA.	92054
K6JSI	STOUFFER, JEFF "SHORTY"	724-4020	2040 HAWLEY DR.	VISTA, CA.	92084
W6JSP	HARVEY, FLOYD	741-8391	1195-33 LA MOREE RD.	SAN MARCOS, CA.	92069
WB6JVS	ROUSE, HARRY A.	757-2260	328 CROUCH ST.	OCEANSIDE, CA.	92054
N6JZB	COOK, WALLY	272-0304	4502 BANNOCK AVE.	SAN DIEGO, CA	92117
N6KAL	MATROS, BECKY	789-3103	452 E. WASHINGTON ST.	RAMONA, CA.	92065
W6KCB	JANKOWSKI, EDWARD		P O BOX 510	MANCOS, CO	81328
W6KCO	BARTH, JAMES	744-2240	1286 DISCOVERY - SP 53	SAN MARCOS, CA	92069
N6KGK	WILLIS, LEE	726-1097	3902 BROWN ST.	OCEANSIDE, CA.	92056
N6KI	VERNACCHIA, DENNIS	271-6079	B993 COVINA ST.	SAN DIEGO, CA.	92126
KJ6KP	ANDERSON, THOMAS	755-0319	13010 PORTOFINO DR.	DEL MAR, CA.	92014
W6KTE	KRIST, R.F.	941-3555	222 HAWTHORNE CIRCLE	VISTA, CA.	92083
W6KVF	LOUDON, CLIFFORD L.		409 PALOMAR AVE.	LA JOLLA, CA.	92037
N6KVY	WONG, DENNIS		10615-G TIERRASANTA BLVD.	SAN DIEGO	92124
AA6KY	DUTCHER, DAVID	465-0831	395B ARDMORE DR	SAN DIEGO, CA	92111
WA6KZN	HEITGER, BOB	941-8835	P.O. BOX 399	VISTA, CA.	92083
NF6L	TAYLOR, MATT	727 1580	3744 BLUEBIRD CANYON RD.	VISTA, CA.	92084
NU6L	CONTOGENIS, JOSEPH P.	749-2699	13964 PAUMA VISTA DR.	VALLEY CENTER, CA.	92082
WF6L	LEONELLI, PHIL	757-7008	3564 STRAWBERRY PL.	OCEANSIDE, CA.	92056
K6LNJ	PEARCE, ART	724-6155	3580 TWILIGHT LN.	OCEANSIDE, CA.	92056
N6LTV	HART, LANE	743-7532	1918 PAMELA LN.	ESCONDIDO, CA.	92026
N6LUQ	NIDA, TED H.	945-0677	1021 DEERHAVEN DR.	VISTA, CA.	92084
KB6MBL	ROSS, BETSY E.	272-6395	1252 DIAMOND ST.	SAN DIEGO, CA.	92109
KB6MCU	SMITH JR., BILLY J.	582-2313	3429 PAGE ST.	SAN DIEGO, CA.	92115
WB6MEI	HAMMOND, JOHN	560 9549	2909 SEGO PL.	SAN DIEGO, CA.	92123
W6MFT	NIELSEN, WILL O.	264-1100	1731 REPUBLIC ST.	SAN DIEGO, CA.	92114
KB6MI	SMITH, GEORGE	477-7287	1325 ROSELAWN ST.	NATIONAL CITY, CA.	92050
N6MMP	FISHER, MICHAEL D.	789-2892	P.O. BOX 1757	RAMONA, CA.	92065
WA6MOS	PEVNEY, JOE	826-1662	4134 SKYLINE RD.	CARLSBAD, CA.	92008
KB6MPZ	LINCOLN, CAROLINE	436-9983	1345 HYMETTUS AVE.	LEUCADIA, CA.	92024
N6MQV	NIELSEN II, WILL O.	726-4328	3585 PRESTWICK CIRCLE	OCEANSIDE, CA	92056
W6MTX	PIERCE, H.C.		33056 SEA LION DR.	DANA POINT, CA.	92629
KI6MV	LITTLEFIELD, CHARLES	721-7176	3378 TOURNAMENT DR.	OCEANSIDE, CA.	92056
N6MVZ	CALDWELL, BENTON	729-5161	4150 ADAMS ST.	CARLSBAD, CA.	92008
N6MYN	DIPERT, STEPHEN "DICK"		PO BOX 127	SANTA YSABEL, CA.	92070
N6NAU	PAKASKI, TED		3731 PARK DR.	CARLSBAD, CA.	92008
W6NBH	DOIG, AL	741-1320	419 EL DORADO DR.	ESCONDIDO, CA.	92025
N6NEH	NEIGER, RALPH	489-6292	1337 PARK HILL LN.	ESCONDIDO, CA.	92025
N6NHW	MC KINNEY, STEPHEN B.	756-2649	BOX 1266	RANCHO SANTA FE, CA.	92067
WB6NJY	BOYD, GERALD G.	789-2653	1542 WILSON RD.	RAMONA, CA	92065
KB6NMK	ASHLEY, JO	741-2560	2655 LAS PALMAS AVE.	ESCONDIDO, CA.	92025
KB6NML	ASHLEY, A. J.	741-2560	2655 LAS PALMAS AVE.	ESCONDIDO, CA.	92025
WA6NNC	RIVERA, BOB	724-2383	2233 VISTA GRANDE DR.	VISTA, CA.	92084
N6NNI	SCHLESINGER, MARK M.	748-8391	13633 CATAWBA DR.	POWAY, CA.	92064
N6NNP	HEALEY, WILMA		416 BONAIR ST.	LA JOLLA, CA.	92037
N6NNQ	HEALEY, THOMAS		416 BONAIR ST.	LA JOLLA, CA.	92037
N6NOG	BUCKNER, MARY	941-0867	993 S SANTA FE AV #C	VISTA, CA.	92083
W6NQZ	HULBERT, DONALD	724-5431	1022 OLD TAYLOR ST.	VISTA, CA.	92084
KB6NRL	KLEIN JR., FRED	727-5429	3505 BADILLO RD	SAN MARCOS, CA.	92069
N6NSU	SCHMIDT, WILLIAM	753-0987	920 STRATFORD DR.	ENCINITAS, CA.	92024
WB6NUV	MC CONAHAY, JIM C.		14120 DURHULLEN DR.	POWAY, CA.	92064
KB6NUY	COATES, WALTER	439-2165	730 PEARWOOD ST.	OCEANSIDE, CA.	92056
KB6NZA	BURGESS, MARY		PO. BOX 271543	ESCONDIDO, CA.	92027
N6NZX	BURGESS, CARL W.		P.O. BOX 271543	ESCONDIDO, CA.	92027
NE6O	COOPER, JIM	727-B446	2012 APPLEWOOD LANE	VISTA, CA	92083
N6OAM	WILLIAMS, CRAIG R.	486-4101	12882 FRANCINE TERRACE	POWAY, CA.	92064
N6OAO	WILLIAMS, SUSAN J.	486-4101	12882 FRANCINE TERRACE	POWAY, CA	92054
WB6OBH	MAYES, PETE	744-6213	1700 KINGLET RD.	SAN MARCOS, CA.	92069
W6ODG	STEWART, AUBREY L.	745-4077	196 CALLE GUERNICA	SAN MARCOS, CA.	92069
WA6OHB	WALLACE, LEONA	569-4566	5666 LA JOLLA BLVD - 102	LA JOLLA, CA.	92037
N6OIQ	GRANT, ROD	672-1402	37 GOLDEN SHOWER LN	FPO SAN FRANCISCO	96630
W6OLQ	TENTOR, JOHN	672-3891	11012 AVENIDA MARIA	SAN DIEGO, CA.	92129
AA6OM	MASSIE, L.B. "RUSTY'	747 5B72	1249 NORDAHL RD.	ESCONDIDO, CA.	92026
W6OML	POWELL, RICHARD A.	672-3871	27250 MURIETTA RD #95	SUN CITY, CA	92381
N6OPD	CRABTREE, JACK	434-2217	3601 LAREDO ST.	CARLSBAD, CA.	92008
KB6OQE	CHANDLER, LARRY	469-8044	6380 FALMOUTH	LA MESA, CA.	92042
N6OSR	MAGNET, ANDREW DEAN	587-6742	9648 CAMINITO DEL VIDA	SAN DIEGO, CA	92121
W6OVP	LIEN, DAVID A.	485-1538	18215 CORTE DE CASARES	SAN DIEGO, CA.	92128
N6OYG	MUSIL, VICTOR	598-8772	1577 ROMA DR.	VISTA, CA	92083
W6OYJ	MUNN, R. E. (ED)	453-4563	6255 RADCLIFFE DR	SAN DIEGO, CA.	92122
KS6P	STUART, RODGER	741-4002	375 WOODLAND HILLS DR.	ESCONDIDO, CA.	92025
KB6PCF	PARKER, MARNI	272-1409	4166 TAOS DR.	SAN DIEGO, CA.	92117
N6PDP	BROWN, JEFF	742-3536	15080 HWY 76	PAUMA VALLEY, CA.	92061
N6PDZ	BARKER, FRED	726-2616	1341 PHILLIPS ST.	VISTA, CA.	92083

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KI6PE	MC CARTNEY, DOUGLAS B.	753-9320	3535 SITIO BAVA	CARLSBAD, CA.	92009
N6PEA	BARKER, MARY	726-2616	1341 PHILLIPS ST.	VISTA, CA.	92083
N6PKZ	LOUNSBURY, JERRY	437-8456	357 ALAMEDA BLVD.	CORONADO, CA.	92118
KB6PLG	HUNTER, HARLO	273-8960	2605 LORING ST.	SAN DIEGO, CA.	92109
AA6PN	CURRIER, RICHARD E.	271-8326	10880 POINTED OAK LANE	SAN DIEGO, CA	92131
W6PNT	OLSEN, FRED	566-9152	10680 CAMINITO DERECHO	SAN DIEGO, CA.	92126
K6PP	HORRALL, GENE	442-3716	620 ECKEN RD.	EL CAJON, CA.	92020
KA6PPD	HEISMAN, PAUL	726-1657	1008 TOROLE CIR.	VISTA, CA.	92084
N6PQQ	DE MONTEGRE, VINA	726-0353	750 CRESTVIEW RD.	VISTA, CA.	92083
K6PUN	GORDON, DOUGLAS	729-0239	3915 TRIESTE DR.	CARLSBAD, CA.	92008
N6PYD	MURDOCK, JIM		10942 SAN ANTONIO WAY	VALLEY CENTER, CA	92082
N6PYL	CLASSEN, NEIL	729-0031	4931 LOMA LAGUNA DR.	CARLSBAD, CA.	92008
N6QBI	SIMMONS, JEREMY	222-4209	4637 ORCHARD AVE.	SAN DIEGO, CA.	92107
WA6QBO	WILLIAMS, RICHARD	757-3734	P.O. BOX 177	SAN LUIS REY, CA.	92068
KB6QC	BREHM, BOB	931-8759	2610 EL AGUILA LN.	CARLSBAD, CA.	92008
W6QCA	DAVIS, LARRY	582-4324	6578 CRYSTALAIRE DR.	SAN DIEGO, CA.	92120
N6QDB	ROHRER, SUSAN	749-0276	30311 CIRCLE R LN.	VALLEY CENTER, CA.	92082
N6QDK	PAIGE JR., CHARLES	967-8767	737 ARTHUR AVE.	OCEANSIDE, CA.	92056
KB6QEW	CLARK, DONALD C.	756-9672	P.O. BOX 3807	RANCHO SANTE FE	92067
KB6QF	HORRELL, MAURICE	726-7111	1906 ALTA VISTA DR.	VISTA, CA.	92084
KA6QFF	MC CORMICK, MATT	724-6361	1010-134 E. BOBIER DR.	VISTA, CA.	92084
KB6QH	GREGORY, ROBERT	461-0124	6365 CASSELBERRY WY.	SAN DIEGO, CA.	92119
KF6QH	FRANKLIN, JIM	726-4022	2174 FOOTHILL DR.	VISTA, CA.	92084
KD6QJ	HANSON, MELVIN R.	569-5054	3872 CAMINITO DE TATAN	SAN DIEGO, CA.	92111
N6QJE	CALL, ELEANORE	729-0850	2248 JEFFERSON ST	CARLSBAD, CA.	92008
N6QJO	FERGUSON, FRED	726-9234	29814 MARGALE LANE	VISTA, CA.	92084
KB6QJR	DUFFIE, JOSEPH T.	581 1803	5306 MT.BLANCA DR.	SAN DIEGO, CA	92111
N6QMI	EGDAHL, JOHN	729-2156	4208 HIGHLAND DR.	CARLSBAD, CA.	92008
K6QQ	MORIARITY, JOHN	742-3050	P.O.BOX 88	PALOMAR MTN, CA	92060
W6QQA	WARNER, RUSS	489-0280	1402 WESTWOOD PLACE	ESCONDIDO, CA.	92025
N6QQF	RATH, NORMAN H.	721-1653	1096 TURNSTONE WAY	OCEANSIDE, CA.	92056
WA6QQQ	GONSETT, BOB	753-9133	518 NEPTUNE AVE.	ENCINITAS, CA.	92024
N6QVA	TRAPOLINO, MARK	632-1264	7727 CAMINITO MONARCA 107	CARLSBAD, CA.	92009
N6QVW	VERNACCHIA, ORLANDO	578-0427	8946 HILLERY DR.	SAN DIEGO, CA.	92126
WB6R	STEDMAN, DUANE J.	753-4821	1614 EDILEE DR.	CARDIFF, CA.	92007
N6RAD	WILHELMY, LOREEN	756-3133	P.O. BOX 2448	RANCHO SANTA FE, CA.	92067
N6RBS	OLSON, KEN	741-0040	1406 VIA VALENTE	ESCONDIDO, CA.	92025
KI6RF	SIMMONS, JACK	222-4209	4637 ORCHARD AVE.	SAN DIEGO, CA.	92107
N6RHS	STEDMAN, PATRICIA	753-4821	1614 EDILEE DR.	CARDIFF, CA.	92007
KB6RI	LIPPERT, GEORGE	727-6650	1228 LUPINE HILLS RD.	VISTA, CA.	92083
N6RKD	PAYNE, RICHARD E.	436-0160	366 ANDREW AVE.	LEUCADIA, CA.	92024
N6RKE	CROSSMAN, GLEN	728-8431	P O BOX 3142	FALLBROOK, CA.	92028
N6RKJ	HUDSON, JOHN R.	727-8115	3427 CAPALINA RD. #24	SAN MARCOS, CA.	92069
N6RKP	PARNELL, DAN	789-4032	P.O. BOX 1903	RAMONA, CA.	92065
N6RLE	HYPNAROWSKI, NANCY	560-4601	3785 MT BLACKBURN AVE.	SAN DIEGO, CA.	92111
KA6RSI	SELLE, SANDRA		2438 CATATINA	OCEANSIDE, CA	92056
K6RTD	MAYNARD, GEORGE 'SKIP'	727 2374	643 PLUMOSA AVE.	VISTA, CA	92083
WB6RTY	NEUMAN, JOHN S.	471-0034	822 LAURELWOOD CT.	SAN MARCOS, CA.	92069
N6RUV	GRANT, STEPHEN R.	422-4415	434 JAMES CT	CHULA VISTA, CA	92010
N6RVO	MARTINA, JOSEPH F.	433-6885	4462 IBIS WAY	OCEANSIDE, CA.	92056
WB6RWF	BROWN, JIM	758-4794	3201 MIRA MESA AVE.	OCEANSIDE, CA.	92056
KF6RX	MIRDAS, RICHARD	942 5497	1733 GREENTREE RD.	ENCINITAS, CA.	92024
N6RYZ	MASON, ART J.	283-7457	P.O. BOX 23555-204	SAN DIEGO, CA	92123
KS6S	RICE, BOB	724-3558	3130 MORNINGSIDE DR.	OCEANSIDE, CA.	92056
KB6SAE	SELLERS, LINDA E.	433-3648	4232 FIESTA WAY #8	OCEANSIDE, CA.	92056
W6SAX	PARKER, MARSH	272-1409	4166 TAOS DR.	SAN DIEGO, CA.	92117
W6SE	MARTIN, JOHN	753-3345	1135 CREST DR.	ENCINITAS, CA.	92024
WA6SGK	MARTIN, ALAN	753-3345	1135 CREST DR.	ENCINITAS, CA.	92024
N6SHB	PARTRIDGE, KELLEY	695 9790	10675 RED CEDAR DR.	SAN DIEGO, CA.	92131
KJ6SK	BLOODGOOD, WALT T.	758-3276	219 POND PL.	VISTA, CA.	92083
N6SKM	KIZER, RON	941-0057	1252 WOODRAIL DR.	VISTA, CA.	92083
WB6SML	HORGAN, JOHN		2430 GALAHAD RD.	SAN DIEGO, CA.	92123
KJ6SN	FELKER, RICHARD G.	728-5795	1616 DICKEY ST.	FALLBROOK, CA.	92028
N6SUB	CROSSER, ERIC T.	579 0455	5350 JACKSON DR. #196	LA MESA, CA	92042
N6SUN	RESCHLY, DIRK	743-0404	3518 PRINCE ST.	ESCONDIDO, CA.	92025
WA6SVN	WANDSCHNEIDER, HERB	722-2803	1029 S. NEVADA	OCEANSIDE, CA.	92054
WM6T	TILLEY, AUBRA	742-3735	P.O. BOX 429	PAUMA VALLEY, CA.	92061
WB6TBA	GATES, BOB	729-1976	1777 BUTTERS RD.	CARLSBAD, CA.	92008
WB6TBQ	MC CORD, BILLY	724-3837	222 WASHINGTON ST.	VISTA, CA.	92084
N6TCB	CARTER, JERRY A.	743 4212	2435 OUR COUNTRY RD.	ESCONDIDO, CA.	92025
W6TCI	WILLIAMS, HARRY		10 MORNING GLORY AVE.	DURANGO, CO	81301
W6TDC	MILLER, LEE	724-7460	630 CORTEZ AVE.	VISTA, CA.	92084
N6TE	BLUESTEIN, HARRY	454-1098	5533 MOONLIGHT LN.	LA JOLLA, CA.	92037
N6TEP	MIELE, CHARLES	471 0439	856 REDBERRY CT.	SAN MARCOS, CA.	92069
W6TET	SIMPSON, IVAN	273-0219	3669 JEWEL ST.	SAN DIEGO, CA.	92109

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W6TFB	HUNT, LLOYD	757-9374	3747-102 VISTA CAMPANA S.	OCEANSIDE, CA.	92056
KI6TG	DOWLING JR., CHUCK	276-6435	3356 APACHE AVE.	SAN DIEGO, CA.	92117
WA6THC	SPANGLER, RAY	729-2001	3774 SKYLINE RD.	CARLSBAD, CA.	92008
W6THU	PAUL, FLOYD A.	242-8961	1545 RAYMOND	GLENDALE, CA	91201
WB6TJN	SELLE, BRYAN		2438 CATATINA	OCEANSIDE, CA	92056
N6TJT	KRAMARICH, CHUCK	741 1827	880 E WASHINGTON AV UN. A	ESCONDIDO, CA.	92025
KB6TJW	ROSENBERG, BERNICE	433-0711	P.O. BOX 372	SAN LUIS REY, CA	92068
K6TQ	TAYLOR, WILLIAM H.	727-1580	3744 BLUEBIRD CANYON RD.	VISTA, CA.	92084
N6TRS	TIPPIT, DON	723-B319	2233 S STAGECOACH LANE	FALLBROOK, CA.	92028
N6TUP	CHRISTOPH, WILLIAM R.	941 5720	400 SOUTH MELROSE DR.	VISTA, CA.	92083
N6TUQ	INGEBRETSEN, DENNIS	672-0775	10645 MATHIESON ST.	SAN DIEGO, CA.	92129
N6TUR	WAGNER, LEO F.	941-6756	1441 PHIL MAR LN.	VISTA, CA.	92083
N6TWO	GRASSEY, DOUGLAS J.	273-6959	4781 LAKE FOREST AVE.	SAN DIEGO, CA	92117
W6TXK	EARL, RONALD C.	566-1959	11372 IRONWOOD RD.	SAN DIEGO, CA.	92131
W6TZV	CRISPELL, HAL	223-9925	4261 SANTA CRUZ AVE.	SAN DIEGO, CA.	92107
WO6U	PENNINGTON, WALTER	433-1056	3529 PEAR BLOSSOM DR.	OCEANSIDE, CA.	92056
KA6UAI	THOMPSON, ERIK	436-5550	962 HYMETTUS AVE.	ENCINITAS, CA.	92024
N6UCJ	MEAD, PATRICK (P.J.)	941-9162	5333 DARWIN DR.	OCEANSIDE, CA.	92056
WA6UGG	WILSON, WESLEY	724 0193	2227 THUMBKIN LANE	VISTA, CA.	92084
N6UIA	BARRY, STEVE	746-9208	954 CIMMARON TR.	ESCONDIDO, CA.	92025
N6UIT	VALADEZ, JOSE "FELIPE"	271-6079	8993 COVINA ST.	SAN DIEGO, CA	92126
K6UL	KWIETNIEWSKI, MITCHELL Z.	274-1434	3728 1/2 A INGRAHAM ST.	SAN DIEGO, CA.	92109
N6URW	TYLER, JR., JOHN E.	753-9545	853 SUNRICH LANE	LEUCADIA, CA.	92024
WA6UTQ	RUEGSEGER, LARRY	758-5820	1450 HEDIONDA AVE.	VISTA, CA.	92083
N6UUW	JAFFE, ROGER	697-6025	7185-M NAVAJO ROAD	SAN DIEGO, CA	92119
N6UWW	UTSCHIG, ELLEN E.	630-0950	1050-19 LA TORTUGA DRIVE	VISTA, CA	92083
N6UZG	SALTZBERG, GEORGE H. (DOC)	743-6353	1150 MARY LANE COURT	ESCONDIDO, CA	92025
N6UZH	ASHLEY, TERESA ANN	741-2560	2655 LAS PALMAS AVE.	ESCONDIDO, CA	92025
WQ6V	DE MONTEGRE, LARRY	726-0353	750 CRESTVIEW RD.	VISTA,CA.	92083
W6VDA	VLYMEN, BILL	466-4234	4850 JESSIE AVE.	LA MESA, CA.	92041
KB6VFZ	CONTOGENIS, ALICE	749-2699	13964 PAUMA VISTA DR.	VALLEY CENTER, CA.	92082
K6VGP	MC KAY, DICK	377-2789	27532 ELMBRIDGE DR.	RANCHO PALOS VERDES, CA.	90274
WA6VNR	HYPNAROWSKI, JOE	560-4601	3785 MT BLACKBURN AVE.	SAN DIEGO, CA.	92111
KB6VUO	GRIFFITHS, GEORGIA	942-5082	2207 SERENO VIEW LANE	OLIVENHAIN, CA.	92024
KE6VX	CHANTRILL, ROBERT	727-0606	1961 PINEWOOD RD.	VISTA, CA.	92083
KG6VX	LINCOLN, CHESTER 'BUD'	436-9983	1345 HYMETTUS AVE.	LEUCADIA, CA.	92024
WA6VYC	CHAMBLESS, BURR JR.	757 6070	P.O. BOX 190	SAN LUIS REY, CA.	92068
WA6VYD	CHAMBLESS, BURR	757-6070	P.O. BOX 190	SAN LUIS REY, CA.	92068
KA6VYF	POTTER, EDWARD R.	485 7230	12272 PASEO PASIDO	SAN DIEGO, CA.	92128
NW6W	KENT, JOHN L.	729-5254	3920 HOLLY BREA LN.	CARLSBAD, CA.	92008
WB6WGT	HARKER, HARLAND "HARK"	724-2111	607 VIA DEL MAR	VISTA, CA.	92083
W6WPO	PRIEST, BILL	727-4279	3535 LINDA VISTA DR - #62	SAN MARCOS, CA.	92069
WB6WQI	NULL, ED B.	940-9403	P.O. BOX 3020	VISTA, CA.	92083
WA6WSZ	HARRY, JOSEPH P.	726-9526	243B-2 E. VISTA WAY	VISTA, CA.	92084
WA6WTZ	FRANKLIN, OLIVIA	726-4022	2174 FOOTHILL DR.	VISTA, CA.	92084
KD6WX	PATCHEL SR., HERBERT O.	274-6045	4920 DELLA PL.	SAN DIEGO, CA.	92117
KD6WZ	FREY, FREDERICK	729-2991	3449 CORVALIS ST.	CARLSBAD, CA.	92008
KZ6X	BUSCEMA, PAUL	436-2537	343 WHITEWOOD PL.	ENCINITAS, CA.	92024
KI6XJ	ALBRECHTSEN, JOHN	941-0725	B45 HAMPTON COURT	VISTA, CA.	92083
KO6Y	DOMBROWSKI, DAVE	427-4675	682 ASH AVE.	CHULA VISTA, CA.	92010
K6YGK	UMINSKI, GEORGE	755-1014	13776 MIRA MONTANA DR.	DEL MAR, CA.	92014
KB6YHY	NYE, ANITA M.	758-0234	1869 ALESSANDRO TRAIL	VISTA, CA.	92084
KB6YHZ	NYE, ARTHUR PAUL	758-0234	1869 ALESSANDRO TRAIL	VISTA, CA.	92084
W6YJU	SCHWEIZER, EARL	753-8096	P.O. BOX 532	CARDIFF, CA.	92007
W6YLA	BALKE, JERRY	758-1134	746 HONEYDEW LN.	VISTA,CA.	92084
KB6YLA	KROHN, KARL	224 5126	4710 PT.LOMA AVE.	SAN DIEGO, CA.	92107
KB6YNL	ELDER, BILL	481-7967	2529 VIA PISA	DEL MAR,CA	92014
WA6YOO	HODGES, HARRY	743 4212	2435 OUR COUNTRY RD.	ESCONDIDO, CA.	92025
N6YX	BELL, BOB	745-3722	1926 ALEXANDER DR.	ESCONDIDO, CA.	92025
W6YYV	BURDETTE, SAM	726-2624	4718 WESTRIDGE DR.	OCEANSIDE, CA.	92056
NG6Z	DENTON, WILLIAM H.	443-8775	9633 FARMINGTON DR.	LAKESIDE, CA.	92040
WV6Z	PARTRIDGE, DELMAR E.	695-9790	10675 RED CEDAR DR.	SAN DIEGO, CA.	92131
WB6ZJD	NASH JR., F. STEPHEN	278-7544	6425 CAMINITO LISTO	SAN DIEGO, CA	92111
WB6ZJZ	GIBBS, CHARLEY	758-3666	3213 WARING RD.	OCEANSIDE, CA.	92056
KI6ZM	TODD, GEORGE	439-8227	822 LA SALINA PL.	OCEANSIDE, CA.	92054
KB6ZUH	BARBEN, ERIC R.		132 TIMBER DR.	DURANGO, CO	81301
W6ZYW	GESNER, JIM	492-2338	1215 VIA LA JOLLA	SAN CLEMENTE, CA.	92672
N7AMR	WILLETT, ALLEN	434-5656	4722 BIRCHWOOD CIR.	CARLSBAD, CA.	92008
N7AS	GRANT, GARY		17634 PLAZA ARICA	SAN DIEGO, CA.	92128
KA7BAZ	GOGUEN, ERNEST J.	749-5289	1018 W EL NORTE PKWY 117	ESCONDIDO, CA	92026
WA7BIA	LEWIN, A. A.	753-2298	1166 WOTAN DR.	ENCINITAS, CA.	92024
WL7BLM	MULLINS, DAN	434-4741	230 PACIFIC AVE.	CARLSBAD, CA.	92008
KE7DR	TUTTLE, DORA	747-6089	1601 E GRAND AVE - APT B	ESCONDIDO, CA	92025
W7EAI	STEELE, WILLIAM	453-3860	4444 EASTGATE MALL #7	SAN DIEGO, CA.	92121
N7EQQ	LOAR, CHRISTINE	484-3494	13073 SUNDANCE AVE.	SAN DIEGO, CA.	92129

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WA7GRW	TRAYNOR, BOB	578-7425	12414 SEMILLON BLVD.	SAN DIEGO, CA.	92131
W7HGS	THIELE, AL	755-7347	3444 LADY HILL RD.	SAN DIEGO, CA.	92130
KB7LX	LEACH/SORRENTO , BILL		100 E WOODWINDS IND.CT.	CARY, NC	27511
WB7OCR	EVANS, LEE	749-9113	1821B-150 PARADISE MTN RD	VALLEY CENTER, CA.	92082
WA7OWU	LOAR, DAVID	484-3494	13073 SUNDANCE AVE.	SAN DIEGO, CA.	92129
KA7PII	TRAYNOR, JUDY	578-7425	12414 SEMILLON BLVD.	SAN DIEGO, CA.	92131
W7RYF	BLALOCK, FERMAN		6370 SEVERIN DR.	LA MESA, CA.	92042
WR7W	KNIGHT JR., JOHN A.	530-0355	11224 POLARIS DR.	SAN DIEGO, CA.	92126
WT7W	O'BERRY, JAMES A.		2501 WOODLAND BLUFF DR.	CLEB.CO.-HEBER SPRNGS,AR	72543
K7WLX	FELTON, BOB	729-5519	4803 NEBLINA DR.	CARLSBAD, CA.	92008
AH8AD	BURTON, LIONEL "DOC"	744-6904	637 RICHLAND RD.	SAN MARCOS, CA.	92069
N8FVY	KRIDER, BRUCE G.	438-3932	6719 ANTILOPE ST.	CARLSBAD, CA	92009
N9AKB	CARLSEN, KENNETH	434-3256	4904 PARK DRIVE	CARLSBAD, CA.	92008
W9FQN	ROHRER, STAN	749-0276	30311 CIRCLE R LANE	VALLEY CENTER, CA.	92082
W9GNI	WITTING, OSB, REV. MARTIN J.		1000 BUTTERFIELD RD.	AURORA, IL.	60504
KA9HDI	AZMANN, FRANK	434-4494	1270 STRATFORD LANE	CARLSBAD, CA.	92008
ASSOC	ANDERSON, FRED	452-1928	4050 ROSENDA CT. APT 238	SAN DIEGO, CA	92122
ASSOC	HOWALT, BILL	729-6787	3640 CATALINA DR	CARLSBAD, CA	92008
ASSOC	STEWART, F. BRUCE	941-3804	867 EVERGREEN LANE	VISTA, CA.	92084
ASSOC	BRANDT, KARL H.	945-8819	161 HARRISON ST.	OCEANSIDE, CA	92056
ASSOC	COURTNEY, B.C. "RED"		5209 COLONIAL WAY	OCEANSIDE, CA.	92056
ASSOC	HELMS, CLIFF	676-6651	PO BOX 1773	TEMECULA, CA.	92390
ASSOC	CARTWRIGHT, O.C.		P.O. BOX 372	AMARILLO, TX.	79105
ASSOC	LEE, HOWARD E.	471 7133	909 RICHLAND RD #145	SAN MARCOS, CA.	92069
ASSOC	SCHREWSBERRY, VARNA	728 8196	909 LA VONNE AVE.	FALLBROOK, CA.	92028

Members By Last Name 07-31-1989

AA6DI	ALBRECHTSEN, LOUELLA
KI6XJ	ALBRECHTSEN, JOHN
WA1ZEN	AMES, TIM
KJ6KP	ANDERSON, THOMAS
ASSOC	ANDERSON, FRED
KC6BIM	ANDERSON III, WM. J. (BILL)
KC6AST	ARBUTHNOT III, G. LANE
N6UZH	ASHLEY, TERESA ANN
KB6NMK	ASHLEY, JO
KB6NML	ASHLEY, A. J.
KA9HDI	AZMANN, FRANK
W6YLA	BALKE, JERRY
N6IZW	BANKE, KERRY
KB6ZUH	BARBEN, ERIC R.
N6PDZ	BARKER, FRED
N6PEA	BARKER, MARY
N6UIA	BARRY, STEVE
W6KCO	BARTH, JAMES
K6CV	BASTOW, JR., J. G.
W6HW	BAUMGARTNER, VERN
N6GOS	BECK, DONALD R.
KD6FY	BELFIELD, SCOTT P.
N6YX	BELL, BOB
KG6JA	BERG, PETER
W6JJA	BIANCHI, GUIDO
W7RYF	BLALOCK, FERMAN
KJ6SK	BLOODGOOD, WALT T.
N6TE	BLUESTEIN, HARRY
KI6CX	BOLLMAN, GEORGE
KE6HI	BOURHENNE, ALMA
N6FMK	BOWEN, BILL
WB6NJY	BOYD, GERALD G.
ASSOC	BRANDT, KARL H.
KB6QC	BREHM, BOB
N6CKQ	BROADBENT, LOUIS C.
WD5BRT	BROOM JR., HERMAN W.
WD6BRX	BROUILLET, PAUL
WB6RWF	BROWN, JIM
N6ICH	BROWN, THOMAS F.
N6PDP	BROWN, JEFF
KB6DSC	BRUIN, BETTY
WW6E	BUCKNER, BILL
N6NOG	BUCKNER, MARY
W6YYV	BURDETTE, SAM
KB6NZA	BURGESS, MARY
N6NZX	BURGESS, CARL W.
AH8AD	BURTON, LIONEL "DOC"
KZ6X	BUSCEMA, PAUL
N6MVZ	CALDWELL, BENTON
N6QJE	CALL, ELEANORE
KA6GRG	CALVERT, CHUCK
WB6HSZ	CAMPBELL, JOHN R.
W6GHD	CAREY, RICHARD
N9AKB	CARLSEN, KENNETH
K6ICG	CARRY, EDWARD
N6TCB	CARTER, JERRY A.
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N6AT	CASSEN, FRANKLIN
WA6ESG	CASTAGNA, ED
NC6J	CHAMBERS, BOB
WA6VYD	CHAMBLESS, BURR
WA6VYC	CHAMBLESS, BURR JR.
KB6OQE	CHANDLER, LARRY
KE6VX	CHANTRILL, ROBERT
W6IPQ	CHASE, HERBERT
N6TUP	CHRISTOPH, WILLIAM R.
KB6QEW	CLARK, DONALD C.
N6PYL	CLASSEN, NEIL
KB6NUY	COATES, WALTER
W3CRU	COHEN, CHARLES A.
NU6L	CONTOGENIS, JOSEPH P.
KB6VFZ	CONTOGENIS, ALICE
N6JZB	COOK, WALLY
NE6O	COOPER, JIM
WA6HQM	COPLEY, DAVE
KE6BH	COUNTRYMAN, BILL
ASSOC	COURTNEY, B.C. "RED"
N6OPD	CRABTREE, JACK
W6HLB	CRAIG SR., JOE
W6TZV	CRISPELL, HAL
N6SUB	CROSSER, ERIC T.
N6RKE	CROSSMAN, GLEN
K6HAV	CROSSMAN, RALPH
N6INN	CROSSMAN, PAT
AA6PN	CURRIER, RICHARD E.
WA6INL	DAU JR., WALTER K.
W6QCA	DAVIS, LARRY
WQ6V	DE MONTEGRE, LARRY
N6PQQ	DE MONTEGRE, VINA
WD6BNX	DEAN, ROBERT K.
N6CKH	DEMOS, TED
NG6Z	DENTON, WILLIAM H.
WD6AHW	DEWEY, WM. H. (BILL)
WD6AHX	DEWEY, L. WAYNE
N6MYN	DIPERT, STEPHEN "DICK"
W6BHF	DOBLER, RAY
W6NBH	DOIG, AL
KO6Y	DOMBROWSKI, DAVE
N6CDA	DOUGLAS, MALCOLM
KI6TG	DOWLING JR., CHUCK
KB6QJR	DUFFIE, JOSEPH T.
AA6KY	DUTCHER, DAVID
W6TXK	EARL, RONALD C.
N6QMI	EGDAHL, JOHN
KB6YNL	ELDER, BILL
K6GQS	ESTERLY JR., HAROLD D.
WB7OCR	EVANS, LEE
N6GNB	FAHNESTOCK, ALBERT
N6BWJ	FAHNESTOCK, MICKEY
W6FTV	FALLS, EDWARD L.
KJ6SN	FELKER, RICHARD G.
K7WLX	FELTON, BOB
N6QJO	FERGUSON, FRED
N6IE	FERRANTO, FELIX
N6MMP	FISHER, MICHAEL O.
KE4EY	FLEISCHMANN, WM. (BILL)
N6GJW	FOLSOM, RUSS
KF6QH	FRANKLIN, JIM
WA6WTZ	FRANKLIN, OLIVIA
KD6WZ	FREY, FREDERICK
W4NYU	GATES, HOWARD
WB6TBA	GATES, BOB
W6ZYW	GESNER, JIM
WB6ZJZ	GIBBS, CHARLEY
W6FXL	GOEPPINGER, ALBERT
KA7BAZ	GOGUEN, ERNEST J.
WA6QQQ	GONSETT, BOB
WD6BEZ	GONSETT, JUDY
N6CEK	GOODMAN, LANNY

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K6PUN GORDON, DOUGLAS
KF6EX GOREWIT, HAL
N6RUV GRANT, STEPHEN R.
N7AS GRANT, GARY
N6OIQ GRANT, ROD
N6TWO GRASSEY, DOUGLAS J.
KB6QH GREGORY, ROBERT
KB6VUO GRIFFITHS, GEORGIA
WB6CSH HAMANN, MICHAEL
WB6MEI HAMMOND, JOHN
KD6QJ HANSON, MELVIN R.
KI6JM HANTHORN, JACK
WB6WGT HARKER, HARLAND "HARK"
N6AMD HARLAND, RAY
KH6CN HARPER, JIM
WA6WSZ HARRY, JOSEPH P.
N6DVJ HART, JOHNNY
N6LTV HART, LANE
K6ICT HARVEY, KEN
WB6BHE HARVEY, VANESSA
W6JSP HARVEY, FLOYD
N6NNP HEALEY, WILMA
N6NNQ HEALEY, THOMAS
WA6EEZ HEERSEMA, BILL
KA6PPD HEISMAN, PAUL
WA6KZN HEITGER, BOB
ASSOC HELMS, CLIFF
W6IZS HICKMAN, RAY F.
WA6YOO HODGES, HARRY
W6HC HODGSON, CHARLES
KD3HN HOFFMAN, MIKE
K6II HOLM, ED
WD0DLW HONTS, C.N. "JACK"
WB6SML HORGAN, JOHN
K6PP HORRALL, GENE
KB6QF HORRELL, MAURICE
WB6FMT HOUSER, JERRY
ASSOC HOWALT, BILL
KI6GI HOY, TIM
W6JRQ HUCKABAY, WALT
N6RKJ HUDSON, JOHN R.
W6NQZ HULBERT, DONALD
W6TFB HUNT, LLOYD
KB6PLG HUNTER, HARLO
WA6VNR HYPNAROWSKI, JOE
N6RLE HYPNAROWSKI, NANCY
N6TUQ INGEBRETSEN, DENNIS
K6ERW INSKEEP, CHAS. G.
W6IRM INSKEEP, CHUCK
N6UUW JAFFE, ROGER
W6KCB JANKOWSKI, EDWARD
KB6EPO JOHNSON, ERIC
WD6FWE JOHNSON, DON
NW6W KENT, JOHN L.
W6DWE KIRKPATRICK, CLAUDE L.
WB0YCQ KIRSCHNER, HENRY
N6SKM KIZER, RON
KB6NRL KLEIN JR., FRED
W6FN KLIPPEL, KEN
WR7W KNIGHT JR., JOHN A.
N6TJT KRAMARICH, CHUCK
NBFVY KRIDER, BRUCE G.
W6KTE KRIST, R.F.
KB6YLA KROHN, KARL
WB6IQS KUIVINEN, JOHN
K6UL KWIETNIEWSKI, MITCHELL Z.
WB6HMY LA POINTE, JOE
N6ISC LACKEY, PAUL
WA6BSD LANG, STEVEN
W6DNX LANGJAHR, CARL
KB7LX LEACH/SORRENTO , BILL
ASSOC LEE, HOWARD E.
WF6L LEONELLI, PHIL
WA7BIA LEWIN, A. A.
W6OVP LIEN, DAVID A.
W6EYP LINCOLN, WARREN
KG6VX LINCOLN, CHESTER 'BUD'
KB6MPZ LINCOLN, CAROLINE
KB6RI LIPPERT, GEORGE
KI6MV LITTLEFIELD, CHARLES
N7EQQ LOAR, CHRISTINE
WA7OWU LOAR, DAVID
W6KVF LOUDON, CLIFFORD L.
N6PKZ LOUNSBURY, JERRY
KC6BGX LOUNSBURY, GEORGE P.
WB6IOV LOWELL, RUSSELL A.
K4ACM LUTZ, EDWARD
N6OSR MAGNET, ANDREW DEAN
KB6DGR MAHONEY, BETTY
W6SE MARTIN, JOHN
WA6SGK MARTIN, ALAN
KC6BWS MARTIN, ROY E.
N6RVO MARTINA, JOSEPH F.
N6RYZ MASON, ART J.
AA6OM MASSIE, L.B. "RUSTY'
N6KAL MATROS, BECKY
WB6OBH MAYES, PETE
K6RTD MAYNARD, GEORGE 'SKIP'
WB6GXR MC BRIDE, WILLERT 'MAC'
NH6EW MC CARTHY, MAC
KI6PE MC CARTNEY, DOUGLAS B.
W6BRF MC CLUSKEY, PAUL
WB6NUV MC CONAHAY, JIM C.
WB6TBQ MC CORD, BILLY
KA6QFF MC CORMICK, MATT
W6FGE MC DANIEL, MICK
K6VGP MC KAY, DICK
N6NHW MC KINNEY, STEPHEN B.
N6UCJ MEAD, PATRICK (P.J.)
N6TEP MIELE, CHARLES
W6TDC MILLER, LEE
N6EQB MILLER, RAYMOND
KF6RX MIRDAS, RICHARD
K6QQ MORIARITY, JOHN
KB6GKE MORRIS, STEVE
KC6COD MOSCOWITZ, MARK
WL7BLM MULLINS, DAN
W6OYJ MUNN, R. E. (ED)
N6PYD MURDOCK, JIM
N6OYG MUSIL, VICTOR
WB6ZJD NASH JR., F. STEPHEN
N6NEH NEIGER, RALPH
WB6RTY NEUMAN, JOHN S.
K6AYJ NICHOLS, EDITH
W6EVL NICHOLS, ART
N6LUQ NIDA, TED H.
W6MFT NIELSEN, WILL O.
N6MQV NIELSEN II, WILL O.
WD6HFI NORMINGTON, PHILLIPP B.
WB6WQI NULL, ED B.
KB6YHZ NYE, ARTHUR PAUL
KB6YHY NYE, ANITA M.
WT7W O'BERRY, JAMES A.
W4OYN O'HARA, JIM
W6PNT OLSEN, FRED
N6RBS OLSON, KEN
WB4YQU ORAN, SAMUEL
N6QDK PAIGE JR., CHARLES
N6NAU PAKASKI, TED
W6SAX PARKER, MARSH
KB6PCF PARKER, MARNI
N6RKP PARNELL, DAN
WV6Z PARTRIDGE, DELMAR E.
N6SHB PARTRIDGE, KELLEY
N0CPS PASCHKE, VERN
N0EVV PASCHKE, MARY
KA6GHE PATCHEL, JUDITH
WA6IWK PATCHEL, HERBERT
KD6WX PATCHEL SR., HERBERT O.
W6THU PAUL, FLOYD A.
N6RKD PAYNE, RICHARD E.
K6LNJ PEARCE, ART
WO6U PENNINGTON, WALTER
WA6MOS PEVNEY, JOE
W6MTX PIERCE, H.C.
WA6ILH POTERALA JR., WM. E.
KA6VYF POTTER, EDWARD R.
W6OML POWELL, RICHARD A.
W6WPO PRIEST, BILL
WA6HYB PUGH, DANIEL C.
WB6HFE RAMME, FRANK B.
N6QQF RATH, NORMAN H.
N6BAD REBER, JOHN
WD6AHV REMINGTON, TODD
N6SUN RESCHLY, DIRK
KS6S RICE, BOB
WA6AIW RICHARDS, DAVID L.
WA6IPD RIDEOUT, ART
WA6NNC RIVERA, BOB
N6QDB ROHRER, SUSAN
KA6FPS ROHRER, BARBARA
W9FQN ROHRER, STAN
KB6TJW ROSENBERG, BERNICE
KB6DEM ROSS, JUDY
N6GZI ROSS, ED
KB6MBL ROSS, BETSY E.
WB6JVS ROUSE, HARRY A.
KB6AI ROWLETT, GUY
WA6UTQ RUEGSEGER, LARRY
K3PXX RUNYON, TERRY
K6GJD SALTER, BILL
N6UZG SALTZBERG, GEORGE H. (DOC)
WA6DOC SALZARULO, MARK
K6HE SANDBERG, SANDY
KC6BJM SANDFORD, GERRY M.
N6NNI SCHLESINGER, MARK M.
N6NSU SCHMIDT, WILLIAM
ASSOC SCHREWSBERRY, VARNA
W6YJU SCHWEIZER, EARL
KA5Q SEALS, KEN
WB6TJN SELLE, BRYAN
KA6RSI SELLE, SANDRA
N5GZP SELLERS, STEVE
KB6SAE SELLERS, LINDA E.
W6ESV SENTERFITT, ARNOLD
W2AUO SHAUT, STANLEY
N6QBI SIMMONS, JEREMY
KI6RF SIMMONS, JACK
W6TET SIMPSON, IVAN
N6BBB SINATRA, CARMEN J.
K6BPT SKINNER, MURIEL 'SKIP'
W6BNO SLUYTER, LEONARD J.
KF6EA SMITH, RICHARD A.
N6HWK SMITH, N WHITNEY
W6INI SMITH, ARTHUR R.
KB6MI SMITH, GEORGE
KB6MCU SMITH JR., BILLY J.
WA6THC SPANGLER, RAY
WA6IPF STACK, PAUL J.
WB6R STEDMAN, DUANE J.
N6RHS STEDMAN, PATRICIA
W7EAI STEELE, WILLIAM
ASSOC STEWART, F. BRUCE
W6ODG STEWART, AUBREY L.
K6JSI STOUFFER, JEFF "SHORTY"
KS6P STUART, RODGER
WA6DYV SWADER, JOHN B.
KB6AQS SWENSON, GEORGE A.
K6TQ TAYLOR, WILLIAM H.
NF6L TAYLOR, MATT
W6OLQ TENTOR, JOHN
W7HGS THIELE, AL
KA6UAI THOMPSON, ERIK
WM6T TILLEY, AUBRA

PALOMAR AMATEUR RADIO CLUB, INC. Members By Last Name 07-31-1989

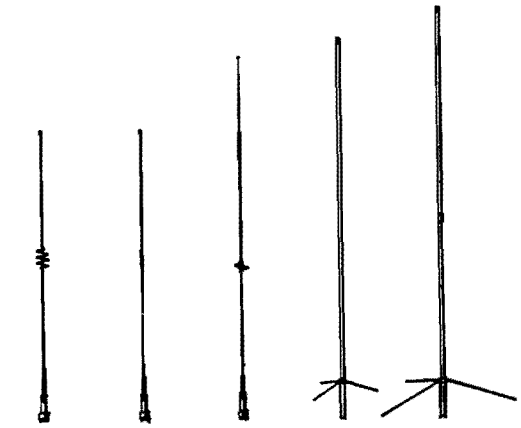
KI6ZM	TODD, GEORGE	WA6OHB	WALLACE, LEONA	W6TCI	WILLIAMS, HARRY
I6QVA	TRAPOLINO, MARK	WA6SVN	WANDSCHNEIDER, HERB	N6OAM	WILLIAMS, CRAIG R.
WA7GRW	TRAYNOR, BOB	W6QQA	WARNER, RUSS	W6HCD	WILLIAMS, A. NASH
KA7PII	TRAYNOR, JUDY	WA6HYC	WATT, BILL	WA0ABX	WILLIAMS, BILL
W6BIH	TUPANCY, OSCAR	N5NLV	WEBER, CHARLOTTE	N6OAO	WILLIAMS, SUSAN J.
KE7DR	TUTTLE, DORA	N5HTC	WEBER, JR, CHARLES E.	KB5MU	WILLIAMSON, PAUL T.
N6URW	TYLER, JR., JOHN E.	N6GW	WENZ, GORDON	N6KGK	WILLIS, LEE
K6YGK	UMINSKI, GEORGE	W6IUG	WEST, RICHARD O.	WA6UGG	WILSON, WESLEY
N6UWW	UTSCHIG, ELLEN E.	N6DSC	WHEELER, DUANE W.	W9GNI	WITTING, OSB, REV. MARTIN J.
N6UIT	VALADEZ, JOSE "FELIPE"	N6COU	WHIPPLE, BILL	N6KVY	WONG, DENNIS
KC6AZY	VAN NEST, DAVID	N6RAO	WILHELMY, LOREEN	KC6DPM	WORKS, GEORGE A.
N6QVW	VERNACCHIA, ORLANDO	WI6B	WILHELMY, RON	KC6DPN	WORKS, ROBERTA F.
N6KI	VERNACCHIA, DENNIS	N7AMR	WILLETT, ALLEN	K6HZ	YACABUCCI, JAMES E.
W6VDA	VLYMEN, BILL	WA6QBO	WILLIAMS, RICHARD	W3ARU	ZIEGLER, PETE
N6TUR	WAGNER, LEO F.	WB0WGU	WILLIAMS, SANDY		
N6DUR	WAGNER, ROBERT G.	W6BLL	WILLIAMS, JACK		

TOTAL 400

WESTCOM

DIAMOND VHF & UHF ANTENNAS

DUAL BAND ANTENNAS FOR 144-148 & 430-450 MHz



NR770R NR770H NR790 X50 X200

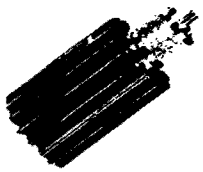
MODEL NUMBER	ELEMENT VHF	ELEMENT UHF	PHASING DB GAIN VHF	PHASING DB GAIN UHF	LENGTH INCHES	AMATEUR NET
Dual-Band Vertical Base Station Antennas						
X50	1-3/4	3-5/8	4.5	7.2	66	$ 94.95
X200	2-5/8	4-5/8	6.0	8.0	98	139.95
Dual-Band Mobile Antennas						
NR770R	1-1/2	2-5/8	3.0	5.5	39	47.95
NR770S	1-1/4	1-1/2	unity	2.2	17	34.95
NR770H	1-1/2	2-5/8	3.0	5.5	39	49.95
NR790	1-3/4	3-5/8	4.5	7.2	57	76.95
Dual-Band Duplexer						
MX72D	(PL-259 connectors)					37.50
2-Meter Mobile Antennas						
NR22L	2-5/8	-	6.5	-	96	74.95
Mobile Mounting Kits w/ 17 ft. RG-58A cable & PL259						
PO-B	Mount only, no coax (3/4" hole rqd.)					11.95
PO-K	Mounting Kit, complete w/ cable					19.95
PO-MM	Magnetic Mount (not for NR22L/NR790)					21.95
PO-TLM	Trunk Lip Mount					21.95

DUMMY LOAD

Model DL-60

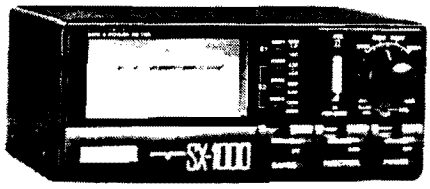
Ideal for bench tune-up of small transmitters.
Quality built of the finest materials & workmanship

Power Rating: 60 Watts intermittant
20 Watts continuous
Frequency: 500 MHz Max
VSWR: Less than 1.2:1
Connector: PL-259
Warranty: One Year



List Price $29.95 SPECIAL! $17.95

DIAMOND ANTENNA POWER/SWR METERS



The Diamond Antenna Precision Meter series covers the 1.8-1300 MHz spectrum with 5% typical accuracy. No competitive meter equals their quality and performance.

The large meter scale is calibrated for Forward and Reverse Power, and Standing Wave Ratio (SWR). Switch Selectable Average (R.M.S.) and Peak Envelope Power (P.E.P.).
The Diamond SX-600 is unique, as it has two directional couplers, each measuring a set of inputs. Selection is by a rear panel switch. Band 1 is 1.6-160 MHz, and Band 2 is 140-525 Mhz. Typical accuracy 5% (10% Maximum). The SX-1000 combines features of the SX-600 with inclusion of the 903 MHz. & 1240 MHz. bands.

Provision for optional meter lighting is through a jack on the rear panel. (12V required, or use our AC adapter Model AC ADAP, $6.95 ea.)

SX-100	PWR Meter F&R/SWR 3 KW	1.6-60 MHz		$119.95
SX-200	PWR Meter F&R/SWR 200W	1.6-200 MHz		89.95
SX-400	PWR Meter F&R/SWR 200W	140-525 MHz		99.95
SX-600	PWR Meter F&R/SWR 200W	1.6-160 MHz & 140-525 MHz.		$149.95
SX-1000	PWR Meter F&R/SWR 200W	1.8-160 MHz. & 430-1300 MHz.		$219.95

COAX SWITCH

Rugged Low Loss Switch, ideal for antenna switching at frequencies up to 500 MHz. Heavy Metal construction and large contacts will give many years of use.

Power Rating: 2.5 KW P.E.P.
Impedance: 50 Ohms
Insertion Loss: Less than 0.2 dB
VSWR: 1.2 : 1
Max. Frequency: 500 MHz.
Isolation: 60 dB Min/300 MHz, 50 dB Min/450 MHz
Contact Res.: Less than 20 milliohms
Connectors: SO-239
Circuit: 1 pole/ 2 output/automatic grounding
Warranty: 1 year

List Price $27.95 Our price $19.95

Phone 744-0799 W6JSP, W6NLO & N6CDA Located at 1320 Grand Avenue in San Marcos

SEP 89

PARC ENLISTMENT/REENLISTMENT FORM

Mail form with $$ to PARC, P.O. Box 1603, Vista, CA 92083-0530 or hand to Jo, KB6NMK, at club meetings. Dues (including SCOPE) are $12 a year plus $9 for each additional family member. Dues are prorated for new members Aug, Sep, Oct $12; Nov $9, Dec $8, Jan $7, Feb $6, Mar $5, Apr $4, May $3, Jun $2, Jul $1. Consider paying for two or three years at a time. Call, name, and complete address are required. Telephone number may be unlisted in roster if requested. Other information requested below may be omitted if you feel uncomfortable providing it to the Club.

Call_____ Name_____

Expires_____ Address_____

Class_____ City_____ State____ Zip_____

Old Call_____ Phone #_____ home_____ work_____others?

Date 1st lic._____ Birth Date_____ Thos Bros loc. page #___ coord_____

Name & call of family members in PARC_____

ARRL___ RACES___ ARES___ Red Flag___ Blood donor___ Type___ Comments:____

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